

20001213.qrp v02_n035.qrl.20001213

Date: Wed, 13 Dec 2000 19:03:07 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2035

QRP-L Digest 2035

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- 1) [86167] Re: BB3 Screwdriver Antenna update.
by Ed Loranger <we6w@qsl.net>
- 2) [86168] Re: HYgain antenna wind test
by Tim Soxman <tims@hhs.net>
- 3) [86169] Solar & meteor scatter update
by "Paul Harden, NA5N" <na5n@rt66.com>
- 4) [86170] Re: Matching Crystals
by "Donny Sirait" <dsirait@centrin.net.id>
- 5) [86171] Re: HR-1680 Repair
by w0av@juno.com
- 6) [86172] voltage doubling circuits
by "M05aaa01" <merryprankster@CWCOM.NET>
- 7) [86173] Re: Jupiter from Ten Tec also Pegasis
by dandooley@pipeline.com
- 8) [86174] multi-band antenna
by "kc0bdw" <kc0bdw@email.msn.com>
- 9) [86175] Re: Ladder safe footing
by wb2vuo@juno.com
- 10) [86176] WTB- Ten-Tec Argosy I (Analog Model 525)
by Kevin L Anderson <k9iua@juno.com>
- 11) [86177] Re: Ten-Tec 1254 Receiver Kit Info
by WA3JAT@aol.com
- 12) [86178] FOX N9AW WOW!!!!!!
by KB7WW Art Moe <kb7ww@chatusa.com>
- 13) [86179] FOX Jerry is slowing down
by "Karl F. Larsen" <k5di@zianet.com>
- 14) [86180] Reminder - Change of QRP ARCI Awards Manager
by "Ron, KU7Y" <ku7y@qsl.net>
- 15) [86181] Re: Magnifier
by "Ron, KU7Y" <ku7y@qsl.net>
- 16) [86182] Go get Da FOX N9AW
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [86183] RE: [86098] The new contester blues
by Brian Kassel <bkassel@dancris.com>
- 18) [86184] Re: multi-band antenna
by "Mike Branca" <w3irz@att.net>
- 19) [86185] Re: OT: Question regarding care of aluminum antenna elements

- by dandooley@pipeline.com
- 20) [86186] Who Dat got The ic 735
by hamjoel@juno.com
- 21) [86187] FOX APOLOGIES!
by Macstein@aol.com
- 22) [86188] Humor REPOST: Contest CW Speed Lament...
by "Paul R. Valko" <prvalko@oakland.edu>
- 23) [86189] Re: MFJ PROBLEM
by Lee Hopper <leehop@uswest.net>
- 24) [86190] Re: Who Dat got The ic 735
by "K7FD K7Low" <cqdx@teleport.com>
- 25) [86191] Re: Go get Da FOX N9AW
by Bob Nielsen <nielsen@oz.net>
- 26) [86192] Re: MFJ PROBLEM
by W1R0@aol.com
- 27) [86193] RE: HYgain antenna wind test
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 28) [86194] Re: multi-band antenna
by "Don Wilhelm" <w3fpr@arrl.net>
- 29) [86195] Elecraft K2 vs Hands GQ-Plus All Band Transceiver
by "Mark Fancher" <mmfancher@earthlink.net>
- 30) [86196] Re: MFJ PROBLEM
by "Jim Crooke" <crooke@prodigy.net>
- 31) [86197] FOX- Re: Go get Da FOX N9AW
by Paul Womble <pwomble1@tampabay.rr.com>
- 32) [86198] Using the INDEX QRP+ or QRP++ on PSK31 **Solving a Rx/TX shift problem**
by Sam Billingsley <SBillingsley@usaninc.com>
- 33) [86199] K0EVZ Cub FOX Log (Final)
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 34) [86200] Test again with HTML coding removed
by "blinn" <blinn@dmr.net>
- 35) [86201] Re: Cleaning Aluminum elements
by "Richard McGaver" <mcgaver@execpc.com>
- 36) [86202] Fw: MFJ PROBLEM
by "Niels" <nkristja@cadvision.com>
- 37) [86203] Need scope probe model number
by lenny wintfeld <w2bvh@home.com>
- 38) [86204] Re: MFJ PROBLEM, as far as I am concerned
by Lee Bahr <w5drc@earthlink.net>
- 39) [86205] Re: FOX- Re: Go get Da FOX N9AW
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 40) [86206] Re: FOX APOLOGIES!
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 41) [86207] FOX: Hunt#15 - N9AW Preliminary Results
by "Jerry Scherkenbach" <jerrys@execpc.com>
- 42) [86208] Re: HYgain antenna wind test
by Bill Lazure <n2tpa@juno.com>

- 43) [86209] Tesla Program on PBS Dec 12
by Bob Patten <n4bp@bc.seflin.org>
- 44) [86210] autotransformer and BB3 screwdriver antenna.
by Ed Loranger <we6w@qsl.net>
- 45) [86211] Another (more weighty) cable giveaway
by Peter_Simpson@ne.3com.com
- 46) [86212] comparison of the IC 735 / K2 - what makes the IC 735 hot?
by "Chris Wagner" <mm1esg@compuserve.de>
- 47) [86213] Has anyone missed the VFO on an ARK and transplanted one?
by "Chris Wagner" <mm1esg@compuserve.de>
- 48) [86214] Re: MFJ PROBLEM
by markmilburn <markmilburn@netzero.net>
- 49) [86215] Re: Tesla Program on PBS Dec 12
by "Karl F. Larsen" <k5di@zianet.com>
- 50) [86216] Re: MFJ PROBLEM
by "Mike Yetsko" <myetsko@insydesw.com>
- 51) [86217] Re: Tesla Program on PBS Dec 12
by Thomas Kuehl <ac7a@gci-net.com>
- 52) [86218] RE: Need scope probe model number
by "L. Mark Pilant" <n1vqw@arrl.net>
- 53) [86219] Re: MFJ PROBLEM, as far as I am concerned
by dandooley@pipeline.com
- 54) [86220] Re: voltage doubling circuits
by "Richard Hensel" <rrhensel@sprintmail.com>
- 55) [86221] RE: voltage doubling circuits
by "AI2Q Alex" <ai2q@ispchannel.com>
- 56) [86222] Re: MFJ PROBLEM, as far as I am concerned
by Paul Womble <pwomble1@tampabay.rr.com>
- 57) [86223] Re: Go get Da FOX N9AW
by Bruce Rattray <rattray@gpfn.sk.ca>
- 58) [86224] Re: voltage doubling circuits
by "John J. McDonough" <wb8rcr@arrl.net>
- 59) [86225] Viewer Comment (fwd)
by baltimoremd@baltimoremd.com
- 60) [86226] Re: MFJ PROBLEM
by igeq100@iupui.edu
- 61) [86227] Re: voltage doubling circuits
by w0av@juno.com
- 62) [86228] FS
by "Tom Whalen" <wb5qyt@abq.com>
- 63) [86229] Re: Go get Da FOX N9AW
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 64) [86230] Re: Tesla Program on PBS Dec 12
by "Richard Clemens" <clemens@wvwc.edu>
- 65) [86231] Re: Go get Da FOX N9AW
by Bcieslak@ra.rockwell.com
- 66) [86232] Re: The new contesters blues
by "Ron, KU7Y" <ku7y@qsl.net>

- 67) [86233] Antenna wind test
by Nils R Young <nilsbull@juno.com>
- 68) [86234] That ol' antenna tuner problem . . .
by Nils R Young <nilsbull@juno.com>
- 69) [86235] Home Power- battery articles
by Charles K Brown <n4so@juno.com>
- 70) [86236] Re: FS: Ten-Tec 1253 Regen Receiver (SOLD)
by "Phinizy, William" <wphinizy@filenet.com>
- 71) [86237] voltage doubling circuits
by "Brad Hernlem" <alihernlem@hotmail.com>
- 72) [86238] [TRADE] Epiphyte 3 Unbuilt
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 73) [86239] Re: Cleaning Aluminum elements
by Bill Coleman <aa4lr@arrl.net>
- 74) [86240] EA2SN visits the Garden State
by n2cx@voicenet.com
- 75) [86241] Warbler shipping update
by n2cx@voicenet.com
- 76) [86242] Voltage Doubling circuits
by Charles K Brown <n4so@juno.com>
- 77) [86243] Canadian Radar
by "Karl F. Larsen" <k5di@zianet.com>
- 78) [86244] FOX NG9W
by "Karl F. Larsen" <k5di@zianet.com>
- 79) [86245] KG7RS review of EB63 AMP for K2
by Ken Hopper <khopper@uchicago.edu>
- 80) [86246] FS FT310SD
by "Steven Weber" <kd1jv@moose.ncia.net>
- 81) [86247] Fox Hunt #16
by Fred Lesnick <flesnick@tbaytel.net>
- 82) [86248] Cub FOX Duel (Dual?!) Tonight
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 83) [86249] Chirp... help
by "blinn" <blinn@dmi.net>
- 84) [86250] RE: [86098] The new tester blues
by Bill Coleman <aa4lr@arrl.net>
- 85) [86251] qrp rig
by Bill Urie <burie@linknet.kitsap.lib.wa.us>
- 86) [86252] Re: Chirp... help
by "Paul Harden, NA5N" <na5n@rt66.com>

Date: Tue, 12 Dec 2000 16:03:42 -0800
From: Ed Loranger <we6w@qsl.net>
To: schoon@amgt.com
Cc: qrp-1@Lehigh.EDU
Subject: [86167] Re: BB3 Screwdriver Antenna update.

Message-ID: <3A36BCDD.EEDC4F59@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No photos. I made some drawings though. Crude drawings good enough to put it back together should I not finish the job that day. But I had time to complete the rebuild. I did clean and re-oil the threaded actuating rod inside the antenna. A rod with taped rag on it cleaned the inside sleeve.

Oh, at the top inside of the antenna where an aluminum plate is connected to the coil I noticed SEVERE rust and oxidation. I have installed a nice solderlug there and the antenna connection is much better now. The screw was filed clean as well. If it goes bad in the future I will drill and tap for a 4-40 brass screw there.

Ed
schoon@amgt.com wrote:...

> ... Either way, this kind of mobile antenna really performs!! Did
> you take any pictures when your antenna was apart??
>
> 72
>
> .mark
>

--
72/Ed WE6W; A-1 Op; SOC#63; QRPL#1068
<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

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Date: Tue, 12 Dec 2000 19:20:41 -0500
From: Tim Soxman <tims@hhs.net>
To: k2jq@bestweb.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86168] Re: HYgain antenna wind test
Message-ID: <3A36C0D9.657D32E0@hhs.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We got a dose of the same winds last night. Both my Sommer T-25 and XP-405 beam took a lickin and kept on tickin. I won't complain about how heavy they are any more.

73

Tim W3ZVT

Date: Tue, 12 Dec 2000 17:13:36 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Cc: "Prof. Arnaldo Coro Antich" <inforhc@ip.etcusa.cu>, satern.europe@virgin.net
Subject: [86169] Solar & meteor scatter update
Message-ID: <Pine.SUN.4.10.10012121651400.8550-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The sun remains quiet. Today's M1 flare is the largest event in over a week. Solar flux hit 150 today after its 130 minimum, so conditions on the higher bands will be improving over the next week for favorable conditions next two weekends above 20M. The quiet sun also produces quiet geomagnetic conditions, with the A-index in single digits (quiet conditions on 40M and below) for days, with nothing occurring in the near future to change that. Good for the fox hunts! A good time to enjoy evening QSO's on 80, 40 and 30M, with 15 and 10M getting better day by day for daytime DX work.

GEMINIDS. Tonight and tomorrow nite is the annual Geminids meteor shower, that typically sports 20+ per hour fairly bright meteorites and an occassional bolide (bright, burning sucker). However, the full moon will prevent seeing all but the brightest ones.

If you're in the mood for some unusual shortwave listening, during any meteor shower, there will be many episodes of meteor scatter propagation. This is caused by an incoming meteorite ionizing the air as it burns through our atmosphere, leaving a highly ionized "tail" for several seconds to tens of seconds. High frequency signals, above the maximum usable frequency, will thus be bounced back to earth instead of escaping into space. Listen to your FM radio to a channel with no station, and every few minutes, you can hear a distant FM

station suddenly appear for several seconds. The same with monitoring an unused local TV channel, VHF or UHF (if you're using a TV antenna; this don't work if you're on cable). Of course there are hams who attempt quick, bursty CW or SSB conteacts on 6 and 2M using these brief periods of meteor scatter.

The most powerful signal in North America is from the US Navy space radar in Texas, on 216MHz. Many will monitor that frequency for an almost sure indication of when a meteor enters the earth, although the beam of the radar transmitter is more east-west (to track orbitting space junk). NASA and others use this 216MHz signal to determine meteor counts.

The above is presented simply in the interest of those who find yourselves stuck in your house tonight either

- 1) snowed in from all the storms, or
- 2) awaiting some presidential outcome event (POE)

and basically desperate for something to do :-)

If you do hear the effects of meteor scatter propagation, share it on QRP-L. What you heard and the highest frequency you noted something. The higher the frequency noted, the higher the ionization level. You can often hear the station you're listening to change in tone due to the doppler shift. The lower in tone you hear it shift, the closer to you the meteor was. If you hear a huge crash following that, it was dang close!

Have fun, and enjoy the bands.

72, Paul NA5N

Date: Wed, 13 Dec 2000 07:16:17 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86170] Re. Matching Crystals
Message-ID: <000c01c06499\$ed7c63e0\$eb92ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear Friends,

----- Original Message -----

From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>

> Unfortunately, the oscillation mode does indeed matter.

> I went on a more determined hunt, found my old test oscillator, and found
> that
> using the resonant mode, the crystals were very indeed poorly matched.

I think when we order from mouser or digikey we have to choose a specific
item
whether it is series or parallel resonant??

But my question is (please excuse me probably this has been asked before but
I still cannot understand it) what is the difference between the two
resonant mode?

We (the YB qrp group) are thinking of making this our next project, so help
will be very much appreciated.

vy 72 de YB1BOD
Donny Sirait
Bekasi Indonesia

Date: Tue, 12 Dec 2000 21:35:26 -0600
From: w0av@juno.com
To: wd9eyb@butler.qrp.com
Cc: qrp-1@Lehigh.EDU
Subject: [86171] Re: HR-1680 Repair
Message-ID: <20001213.003424.-443731.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Jim,

Congrats on some high class digital photography!

I appreciated the fine commentary, also.

Thanks!

de George/W0AV
SOC#101

Date: Wed, 13 Dec 2000 00:41:16 -0000
From: "M05aaa01" <merryprankster@CWCOM.NET>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [86172] voltage doubling circuits
Message-ID: <00c201c0649d\$67ae67a0\$9b102cc3@M05aaa00>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

voltage doubling circuits are the bane of my life this week!
I am trying to get 90 volts DC for a 1952 valve/ tube AC /DC radio.
I have a selection of circuits, voltage doubles trippers and the coccroft
ladder (is that what its called) The trouble I am having is that after the
first double it all stops.
I.E. I can get 24 volts DC from the 12 AC transformer by doubling it but
cant double that to 48 Volts DC.
I have built 2 separate doubles they both work but not together.
It seems as I can double an AC voltage into a X2 DC voltage but when the
voltage becomes DC it wont double. I am sure that I am missing something
here, can any one please point me in the right direction!!! Many thanks from
Bob M5B0B

Date: Tue, 12 Dec 2000 19:55:15 CDT
From: dandoooley@pipeline.com
To: k5di@zianet.com
Cc: qrp-l@Lehigh.EDU
Subject: [86173] Re: Jupiter from Ten Tec also Pegasus
Message-ID: <97666891502@molly3.emumail.net>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: binary
MIME-Version: 1.0

One major drawback I saw in the review and looking at TTs site description
is that it only has one antenna connector. I think every serious radio
should have the capability of using a second antenna for receiving.

I think I saw some other negatives, but don't recall what they are now.

Dan WB5TKA

On Tue, 12 Dec 2000 05:40:27 -0700 (MST) "Karl F. Larsen" wrote:

>
> Nope, Sam says it's a keeper, but like all radios it is not
> perfect.
> >
> >

This message powered by EMUMAIL. -- <http://www.EMUMAIL.com>

Date: Tue, 12 Dec 2000 18:58:24 -0600
From: "kc0bdw" <kc0bdw@email.msn.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [86174] multi-band antenna
Message-ID: <00a501c0649f\$cd850b40\$8a1d0f3f@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I put up a new antenna and now I'm having trouble with getting it to load up on 10M. I feeding the antenna with 450 ohm ladder line. I read somewhere that I should remove about 1/8 of a wavelenth of the band causing trouble is this corect?

Date: Tue, 12 Dec 2000 19:58:01 -0500
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [86175] Re: Ladder safe footing
Message-ID: <20001212.200755.-502163.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Keith here portable in BingHAMton, NY (but only with 2M FM :-(...

Stuart, K5KVH said:

>Now that your ladder is bent, it should be history for climbing,(it is
not
>safe, and has exceeded its working load).

>However, if not bent too much, you might be able to use it as an field
>antenna support.

I will add my endorsement to that statement, with this additional
information:

The National Fire Codes sections on saftey inspections of ladders and
trucks specifically prohibits returning an extruded aluminum ladder to
service after the beams have been deformed ("Bent" to the real world).
We don't even inspect such a ladder, just red-tag it and mark it for
disposal.

As for antenna supports, extension ladders are great, but PLEASE keep in
mind that an extension ladder that is reneesting in an uncontrolled
fashion can remove body parts, not neatly, but efficiently! Tie off the
overlap, and NEVER, NEVER climb a guyed ladder when it is pressed into
such service!!!

SAFETY FIRST!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Dec 2000 20:21:49 EST
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-l@lehigh.edu
Subject: [86176] WTB- Ten-Tec Argosy I (Analog Model 525)
Message-ID: <20001212.191521.5367.0.K9IUA@juno.com>

For sometime now I've wanted to have an
analog T-T Argosy I (Model 525) to go with my
Century 22 (which shares similar styling and
I believe some of the circuitry). It is definitely
the analog version I am after and not the
more common and newer digital 525D model.

If you have one available that you'd consider selling, preferably one with the calibrator circuit and the optional IF and CW audio filters (in other words, full loaded, especially if it has its PTO in good condition still), please let me know. Let's see if we can come to an agreement.

Thanks. Cheers/73,
Kevin, K9IUA

Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com Opinions all my own.

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Dec 2000 20:57:59 EST
From: WA3JAT@aol.com
To: wphinizy@filenet.com, qrp-1@lehigh.edu
Subject: [86177] Re: Ten-Tec 1254 Receiver Kit Info
Message-ID: <e2.d929fe3.276831a7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I built the Model 1253 Ten tec receiver several years ago with my daughter (then 11 years old) and had a great time building it. It was the first kit my daughter had ever worked on and a year later she got her ham license. It will not compare to your receivers on your ham radio but it is a fun kit and fun to use. 73.

Jim WA3JAT

Date: Tue, 12 Dec 2000 18:16:54 -0800
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@lehigh.edu>, Jerry Scherkenbach <jerrys@execpc.com>
Subject: [86178] FOX N9AW WOW!!!!!!
Message-ID: <3A36DC16.A35F14DB@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

First, Jerry, THANKS for the quick QS0!!!!!!! #1 pelt.

I thought about not showing up for the first hour just to let the pack die down a bit. Anyway I decided to at least listen for a few minutes to make sure that I knew where the FOX was hanging out. Had the rig set up for XIT of + 1.7 Kc before hand. Found Jerry by time he had sent his first CQ and he was loud. So what's to lose send call nothing send call again WHAT!!! he is calling me. Got so excited that I hit the wrong memory on the keyer, canceled that and sent the right exchange. 30 seconds and the pelt is mine. Guess I will go melt solder the rest of the evening.

Good luck all

Art
KB7WW
CN85 Oregon

Date: Tue, 12 Dec 2000 19:37:47 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [86179] FOX Jerry is slowing down
Message-ID: <Pine.LNX.4.10.10012121934460.2134-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Happy to say Jerry is slowing down to 20 wpm or was...he just sped up. I think we need a rule for the Fox. Say 25 wpm max. Now he is slow enough for me to catch U5 meaning listening up 5 KHz. His signal is now a good 579. Band improving.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 12 Dec 2000 11:14:28 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86180] Reminder - Change of QRP ARCI Awards Manager

Message-ID: <000201c064b0\$6fe0d080\$43c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

I'd like to take a little bandwidth to thank Steve for the fine job he has done as the Awards Manager and to thank Thom for stepping up to the plate to take over this important job.

It's people like these that keep this whole QRP world alive and interesting.

Many thanks to Steve, Thom and everyone else that gives so much of their time and energy so freely!

72,

cul, Ron KU7Y
Full time RVing somewhere in the West!

Date: Tue, 12 Dec 2000 12:33:58 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86181] Re: Magnifier
Message-ID: <000601c064b0\$73e84f00\$43c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

I'd like to put my 2 cents in this on the side of the "Optivisor". I have had one for over 20 years and it's still going strong.

I had one of the \$85 (10 years ago) round magnifying lights but didn't like it. Seemed to always be in my way.

The little Optivisor costs around \$25 and is listed in most all electric supply houses. I also have the little extra lens that will swing down for a REAL CLOSE look. Can't remember the name for that.....maybe loope??

OK, back in my hole....

cul, Ron KU7Y

Full time RVing somewhere in the West!

Date: Tue, 12 Dec 2000 22:09:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [86182] Go get Da FOX N9AW
Message-ID: <200012122209_MC2-BE68-CD70@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Gang:

Jerry Da FOX is barreling right along tonight. He is on 7.040.92 and working them right and left. He was calling CQ FOX at 0240Z. Jerry is one of the top DXers in the world, having confirmed 332 countries. His setup is a Yaesu FT-1000MP. Go get him, everyone :-).

72,
--Doc/K0EVZ

Date: Tue, 12 Dec 2000 20:15:03 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [86183] RE: [86098] The new contester blues
Message-ID: <3A36E9B7.64F0EFE7@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dan Said:

"So could some of the contesters out there us give some advice on how you work those stations so fast. I spend a lot of time searching, my pounces seem to miss a lot and CQ ing doesn't seem to work so hot either. What am I missing here? "

Sorry that you are a bit discouraged, many of us have been there too. There are many techniques that work for lot's of people, but here are a few pointers that I have used over the years. It is NOT a complete list, as I'm sure lot's of folks will have differing opinions, but here are some of mine:

1.) Use Search and Pounce until you are confident that your signal is strong enough, or your QTH is desirable enough for folks to want to work you. There ia a 20 DB difference between a station located in NY and in DE ;).

2.) Start at one point in the band and tune in the same direction each time you sweep the band. If it's a QRP contest, and you are on 20M, for example, start at 14.065 or so and tune down to 14.055. In ARRL SS, you would of course tune something like 14.080 down to 14.000. Go higher than 14.080 for lower speed QSO's.

3.) When I tune, I use as wide a filter as possible. I tune continuously, not stopping, until I hear a CQ or QRZ or TEST, then I stop and copy the call. I actually type it into my DUPE program to see if I have worked the station. I rarely depend on my brain for that as I am quite often wrong ;) The trick is to keep the dial moving.

4.) It is quite routine for people to be able to copy 25-30 WPM during a contest that can not normally copy 20 WPM. If the exchange is short, as in last week's contest. 25 WPM is easy.

5.) Don't waste time on pileups early in the contest. You may easily be able to work that rare one later, with ease.

6.) Think about propagation. Don't obsess over it though. Use the highest open band as much as possible.

7.) I must advise to not start out running milliwatts, you may become discouraged. Use 5W until you reach a comfortable level of a QSO rate, and then start running the power down. There is a big difference between even 2 and 5 watts, exactly the same as 200 and 500 watts.

8.) Use a good radio. It MUST have good QSK, good filters etc. Now, you may hear the stations on a lower performance rig, but your endurance and energy level will remain much higher longer with a good radio. For me, this radio is the K-2. Get comfortable, no distractions. Use comfortable phones, with padding. Have a good low intensity light. If you are copying much on paper, try to break the habit. I can go for a 24 hour stint, and still only use maybe 1 piece of paper.

9.) Eat right, don't use much caffeine, drink plenty of liquids. I like to hold a hard candy in my mouth.

10.) Have a basic plan before you start, try to make your hours count. Learn any new devices or software BEFORE the contest. If the bands die early, go to bed early, conform to the contest dynamics.

HAVE FUN! If it gets to be too much of a drag, hang up the phones for a bit. Take a short walk. It's only a hobby.

Brian K7RE

Date: Tue, 12 Dec 2000 22:20:16 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [86184] Re: multi-band antenna
Message-ID: <094801c064b3\$9d90a5c0\$f8384d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

First make sure that you are not using a 4:1 balun. If a balun is used it should be a 1:1. Actually the balun is not even necessary and you should just go ahead and connect the 450 ohm line to the tuner output. All the "experts" will now jump in and say this is all wrong but just ignore them and have a lot of fun on ten meters. BTW I have installed two commercial HF ALE radio systems and the engineers plans were to connect one side of the line to ground and the other side to the tuner output. They worked just fine. It seems that hams are the ones who are hung up with having to use baluns and that is probably due to the balun advertisements where hams are told that they are certain to get TVI if a balun is not used.

Mike Branca W3IRZ in Conyers Georgia

Date: Tue, 12 Dec 2000 22:37:35 CDT
From: dandoooley@pipeline.com
To: aa4lr@arrl.net
Cc: qrp-1@Lehigh.EDU
Subject: [86185] Re: OT: Question regarding care of aluminum antenna elements
Message-ID: <97667865501@molly3.emumail.net>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: binary
MIME-Version: 1.0

On Tue, 12 Dec 2000 10:46:49 -0500 Bill Coleman wrote:

>
> >I saw on the Butternut
> >site that they have some stuff for aluminum tubing, some sort of
> a
> >paste.
>
> One of the Butternut products has suspended copper particles. Not
> recommended for aluminum antennas, due to dissimilar metal
> corrosion.
> (Zinc is pretty close to aluminum, and does not cause such
> corrosion)
>

The stuff referred to here is probably Butternut's "Butter-its-not".
Cute name! They supplied it with the HF9V and it's supposed to help
with the corrosion problem.

I tried to be sparing with it on the junctions.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail: dandoooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

This message powered by EMUMAIL. -- <http://www.EMUMAIL.com>

Date: Tue, 12 Dec 2000 22:36:58 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [86186] Who Dat got The ic 735
Message-ID: <20001212.223700.-294587.2.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Who Dat got the perfect ic 735 up for sale?
u wanna trade for a k2?
not completely sold on the idea but thinking hard on it
kella joel
in maine

e- mail
hamjoel@juno.com

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Tue, 12 Dec 2000 22:40:00 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [86187] FOX APOLOGIES!
Message-ID: <ce.dd37fd0.27684990@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Jerry and All,

I scooted down the band and FORGOT to get out of SPLIT mode.... SORRY!!!!
Darn it...SOC for sure!

Anyway...glad to know I was being heard in WI!!!! Thanks for the EARLIER
pelt, Jerry.

72
-MAC-
AF4PS
Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
and various other annual \$15 commitments.

Date: Tue, 12 Dec 2000 22:45:02 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [86188] Humor REPOST: Contest CW Speed Lament...
Message-ID: <Pine.0SF.4.21.0012122236110.32488-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>From a few years ago. This is still one of my favorites...

> Gentleman's band or no, 160 meter contestors don't slow down for code duffers
> any more than 20 meter contestors. These folks obviously want to work as
> many stations as possible and have decided that working a slow guy, giving
> him fills and a repeat of the ARRL section just isn't efficient if he misses
> 3 contacts while logging me. Happens every contest I get into.

Me Too!!! May I wax lyrically for a moment? Sure...

Appologies to the beautiful Linda Rondstat
Poor Poor Pitiful ME!

Well I climbed the tree and threw out a line
some bandwidth I had to gain.
The next contest is about to start
Geez, this "Top Band" is a pain.

I checked the 'swer it was nice and flat
Just like I knew it'd be.
In fact it's be-low a 2 to 1
For almost 2 Kc!

Poor Poor Pitiful ME!
Poor Poor Pitiful ME!
A contestor, I so long to be!
Lord have mercy on me!
Woe - Oh woe is me!

Now that buzz, is ringin' in my ear
Man these guys send fast!
How can I even get a QSO,
Without looking like an ass?

I'll sit and listen for a minute first,
an' copy every other letter.
I fancy me, to be quite the "OP"
But I guess these guys are better!

Poor Poor Pitiful ME!
Poor Poor Pitiful ME!
A contestor, I do long to be!
Lord have mercy on me!
Woe - Oh woe is me!

Well I've heard him make several contacts now
He really keeps them short!

"5NN" what the heck is that?
I wanted my report!

Well at least I know that his section's next,
On that, I'm good to go!
So I wrote one down but I guess it's new!
'cause I copied, South Ohio.

Poor Poor Pitiful ME!
Poor Poor Pitiful ME!
A contester, I do long to be!
Lord have mercy on me!
Woe - Oh woe is me!

I got my call several months ago,
A seasoned op, that's me!
I even went to the Field Day,
Though I only served coffee.

So here's what I've learned over quite a while
And it cuts me to the bone.
Until I copy over 40 per...
I think I'll stick to Phone!

Poor Poor Pitiful ME!
Poor Poor Pitiful ME!
A contester, I do long to be!
Lord have mercy on me!
Woe - Oh woe is me!

73! =paul= W8KC

Date: Tue, 12 Dec 2000 19:55:25 -0800
From: Lee Hopper <leehop@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [86189] Re: MFJ PROBLEM
Message-ID: <3A36F32D.D4EE5E11@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I wonder if anyone has had opportunity to test the "MFJ No Matter What(TM) 1 Year Limited Warranty" on any equipment they thought didn't meet specs?

Their website is:
<http://www.mfjenterprises.com/index.htm>

Lee Hopper, KD7CTF
Portland, OR

Date: Tue, 12 Dec 2000 19:58:53 -0800
From: "K7FD K7Low" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86190] Re: Who Dat got The ic 735
Message-ID: <001501c064b9\$08276220\$8d231ad8@N7SG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Damn, where's my old '735 when I need it!?

;) John K7FD

> Who Dat got the perfect ic 735 up for sale?
> u wanna trade for a k2?

Date: Tue, 12 Dec 2000 20:09:06 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [86191] Re: Go get Da FOX N9AW
Message-ID: <20001212200906.A9567@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Tue, Dec 12, 2000 at 10:09:01PM -0500, Wilford D. Lindsey wrote:

> Gang:

>

> Jerry Da FOX is barreling right along tonight. He is on 7.040.92 and
> working them right and left. He was calling CQ FOX at 0240Z. Jerry is one
> of the top DXers in the world, having confirmed 332 countries. His setup
> is a Yaesu FT-1000MP. Go get him, everyone :-).

Yeah! Jerry's technique was a very good example for the other foxes.

Conditions were somewhat less than optimum. His signal would go from S8 to down in the noise here. Still, I expect he will have a pretty good total.

--

Bob Nielsen, N7XY
Bainbridge Island, WA

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Tue, 12 Dec 2000 23:08:15 EST
From: W1R0@aol.com
To: leehop@uswest.net, qrp-1@lehigh.edu
Subject: [86192] Re: MFJ PROBLEM
Message-ID: <df.d8f9402.2768502f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I past that along to many customers and they used it. Some were happy, some were not. Most said they company did offer to fix or replace the product. The unhappy ones wanted their money back....I don't know the end results of that situation

72

Jim

W1R0/7

Date: Tue, 12 Dec 2000 23:11:07 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [86193] RE: HYgain antenna wind test
Message-ID: <LPBBJAGIPFHKPJENAKLOIEEIDDAA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We had the winds here last night and today til noon or so when the winds swung arpund to the West and then North and slowly died down. At the peak it was really roaring, my windmill was put out max amps cocked back at 45 degrees to normal (over speed protection design) ... happy to say

windmill, G5RV, 2 2 meter antennas, the 220 antenna and the 10 meter vertical all came through OK, and for once didn't lose any trees ... occasionally we luck out!!!

> -----Original Message-----

> From: Tim Soxman

> Sent: Tuesday, December 12, 2000 19:21 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: HYgain antenna wind test

>

>

> We got a dose of the same winds last night. Both my Sommer T-25 and
> XP-405 beam took a lickin and kept on tickin. I won't complain about
> how heavy they are any more.

Date: Tue, 12 Dec 2000 23:01:50 -0500

From: "Don Wilhelm" <w3fpr@arrl.net>

To: <w3irz@att.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [86194] Re: multi-band antenna

Message-ID: <015d01c064bb\$4103bd80\$c1440f3f@dbw11main>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Mike,

I do agree with your statements. Balance is determined by the load - which is usually the antenna. If it is physically balanced, the currents will be balanced as well and that is true no matter what the feedline is type. I have never found need for a balun on a non-beam antenna - no matter what the feedline type - the possibility of stray radiation from the coax shield messing up a beam pattern IS a real concern, but that is not what is being addressed here.

I will go one step further - if you can find or build a link coupled balanced output tuner, you will have the best of all worlds in efficient and flexible antenna tuner territory. If you can find a Johnson Matchbox that is great (yes, I have one), but I also have several other tuners that use plug in coils that work really great - they can load up almost anything - balanced or not.

73,

Don Wilhelm -Chapel Hill, NC

W3FPR QRP-L # 485 K2 SN 0020

----- Original Message -----

From: "Mike Branca" <w3irz@att.net>

> All the

> "experts" will now jump in and say this is all wrong but just ignore them

> and have a lot of fun on ten meters. BTW I have installed two commercial HF

> ALE radio systems and the engineers plans were to connect one side of the

> line to ground and the other side to the tuner output. They worked just

> fine. It seems that hams are the ones who are hung up with having to use

> baluns and that is probably due to the balun advertisements where hams are

> told that they are certain to get TVI if a balun is not used.

Date: Tue, 12 Dec 2000 23:17:22 -0500

From: "Mark Fancher" <mmfancher@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [86195] Elecraft K2 vs Hands GQ-Plus All Band Transceiver

Message-ID: <000801c064bb\$96f3dcc0\$592d56d1@GEARemote>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Anyone out there have a comparison between these two rigs? Hands' rig is \$465.

Mark Fancher

mmfanche@earthlink.net

Date: Tue, 12 Dec 2000 22:17:47 -0600

From: "Jim Crooke" <crooke@prodigy.net>

To: <leehop@uswest.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [86196] Re: MFJ PROBLEM

Message-ID: <00be01c064bb\$a8047420\$85a69cd1@n9o018>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

> I wonder if anyone has had opportunity to test the "MFJ No Matter What(TM)

1

> Year Limited Warranty" on any equipment they thought didn't meet specs?
>
> Their website is:
> <http://www.mfjenterprises.com/index.htm>
>
> Lee Hopper, KD7CTF
> Portland, OR

Yep,

I had a set of their headphones that developed an open in the right ear and they replaced it. I did have to pay for shipping which seemed a bit padded, however.

72, 73 es oo's Jim KJ0C (ex WB0HQV)
Healer of Brachycephalics and other good looking creatures in Springfield, MO
QRP-L #2100, SOC #37, FP #-108 semi-official Veterinarian of the Flying Pigs, Zombie #777, Member of the Night Owls

Date: Tue, 12 Dec 2000 23:29:41 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86197] FOX- Re: Go get Da FOX N9AW
Message-ID: <3A36FB35.4D7D316@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Conditions were actually pretty good tonight from the East Coast.
Almost ZERO noise the first hour. That is a VERY rare thing here.
Jerry was peaking at 599 plus at times.

What antenna were you using Jerry?

The buzzsaw did fire up during the last 1/2 hour or so.

73
Paul K4FB

Date: Tue, 12 Dec 2000 23:38:53 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>

To: "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>, "Klqrp_Submit (E-mail)" <klqrp@applegate.org>
Cc: "Larry East [w1hue@arrl.net] (E-mail)" <w1hue@arrl.net>, "Stan K7SY Yarema (E-mail)" <bg783@scn.org>
Subject: [86198] Using the INDEX QRP+ or QRP++ on PSK31 **Solving a Rx/TX shift problem **
Message-ID: <21B97A0171C2D4119E200002A50A53D4134A56@MAILSERVER2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Stan/K7SY and I have been exchanging emails regarding problems related to my specific INDEX QRP+ SN928 unit.

My basic problem was when finding a station calling CQ and setting my TX cursor (using Digipan V1.5) my TX center frequency would be about 40-50 Hz off the other station hence he could not copy me without moving his RX cursor. With Digipan1.5 you have two RX windows (only one is active for TX) so you can compensate for the INDEX shift if you run a few tests with someone to determine your actual shift. You may have no problem at all so this may not apply to you.

Since Stan and I have solved other INDEX problems in the past I am use to disassembling the INDEX (neat stacked boards with ribbon cable interconnections and other coax connections) so I was not afraid to take it apart to experiment.

Using my ICOM756 has a RX monitor I probed the LO output and BFO outputs in RX and TX PSK operation (into dummy load of course). On my unit I found that the LO was stable between RX and TX changes (ie no freq. shift) but the BFO was in fact the culprit and displayed 40-50 Hz shift when going from RX to TX under PSK (SSB) conditions.

Using the schematics published in my INDEX users manual (with component ID mask drawings too) I was able to find the BFO circuit and look closer to it. My unit has a single transistor colpitts oscillator with a 50 mHz xtal being pulled with 30pF trimmer in SSB and parallel forward conducting diode in CW mode. While my schematic showed the collector getting a +12v (direct battery) the unit had , in fact, been factory MODed to take +8.5V from regulator U7. U7 supplies voltage to the VCOs and all the CMOS PLL ICs thus involved will all critical freq. controlling circuits. I can tell you that a pulled 50 mHz xtal osc. if just looked at will change freq (just kidding but any slight voltage change will be noticable).

I stiffened the BFO osc. voltage by placing a dedicated 78L08 with diode in GND lead to create 8.7V to BFO circuit. Same type circuit used in U7 but now the BFO was isolated. Shift delta improved slightly now was down to about 20 Hz. Better but still too far out for RX and TX sync in same Digipan window.

BTW earlier SN rigs have not have the U7 MOD.

Stan suggested that later QRP++ had additional LP/PAD in between BFO output and the transformer and mixer points. So I added a 3 dB resistor PAD just to see the effect of BFO load isolation. Right idea now the Shift was about 6 Hz but still too far for syncing in one window.

So I rebuilt the PAD into a 6 dB resistor PAD and the shift dropped to NIL or nearly so. Obviously since my BFO output drive was reduced by 6 dB to the RX and TX mixers my signal suffered but the load shift isolation point was demonstrated.

The confirm the changes I checked into the North Georgia QRP Club PSK31 net on 3581 kHz tonight and had not problem (except for my weak signal) chatting with NCS for a good period of time.

At this point I plan to add an FET amp back between the PAD output and mixer input points. This should restore my normal TX levels and the RX signals should come back up.

BTW while checking the rig's U7 (the main regulator for the 8.5V source) I noticed that the original resistor R30 supplying zener drive to the GND point of the regulator was still there so I removed it. I don't have the resistor in the added BFO osc. regulator either.

Now I don't know if any of you have experienced the apparent shift problem with one of your INDEX rigs or not. But if you had trouble making contacts or getting anyone to reply to you CQs then I recommend that you check the shift in you rig.

The simplest way is to use Digipan 1.5 and call CQ in one window and when someone replies and you can't decode them but see a good strong signal then set the 2nd Rx window on them and using the SWAP feature and the DISPLAY Freq. check the Hz differences between the two and you'll have a starting point. Just by clicking the two cursors you can setup the other guy hat answers you but you will need to specifically set the two window freq difference to first hear someone else calling and be able to respond and get them to answer without them having to touch their PSK software or rig RIT.

BTW the INDEX has fixed SSB sideband selection that follows the original SSB freq. plan (ie LSB for 40 mtrs and below). I see no problem when I'm running LSB and the other guy is running USB other that specify freq. display differences.

If you have an INDEX gathering dust then check it out for a neat all band PSK xcvr that takes up almost no space next to you PC and if you have a LAPTOP with sound capabilities you may have a good travelling PSK companion.

Sam Billingsley AE4GX North Georgia QRP Club Atlanta, GA

> -----Original Message-----

> From: Stan Yarema <bg783@scn.org>

>

> >Hi Gang,

> > Is anyone out there using a QRP+ on PSK31 ?? I would think it would
> be

> >suitable but I haven't tried it. Orrr..... Is anyone having problems

> >trying to get PSK31 up on a QRP+ ?? Is USB the only option ???

> >

> >Thanks and you can respond directly to me.

> >72 Stan, K7SY

>

Date: Tue, 12 Dec 2000 23:56:34 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>

Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [86199] K0EVZ Cub FOX Log (Final)

Message-ID: <200012122356_MC2-BE5F-E354@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

 charset=ISO-8859-1

Content-Disposition: inline

Gang:

Here is my final log for the Cub FOX hunt last =

evening. Thanks again, and best wishes for

happy holidays. 72, --Doc/K0EVZ

Time	Call	RST	S/P/C	Name	Pwr	
=3D=3D=3D=3D	=3D=3D=3D=3D=3D=3D=3D=3D	=3D=3D=3D	=3D=3D=3D=3D=3D			
0200	N8VAR	559	OH	Ron	5w	
0203	N0TU	599	CO	Steve	5w	
0204	N4SO	599	AL	Ken	5w	
0206	W5YR	559	TX	Geo	5w	
0207	N5IB	559	LA	Jim	5w	

0209	AC5JH	559	OK	Tom	1w	

0211	W8YMO	569	OH	Harry	5w	
0213	W9WIS	599	WI	Mike	4w	
0216	WA7TQK	559	ID	Bill		5w
0218	KC4URI	449	VA	Steve	5w	

0222	W0CH	579	MO	Dave	5w	
0223	WE6W	559	CA	Ed		5w
0224	N8IE	589	OH	Dan		5w
0230	NV4T	559	FL	Bill		5w
0233	W8PIG	589	OH	Dan	5w	

0235	N4ROA	559	VA	Dan	4w	
0237	WB8ICN	589	MI	Ken		5w
0238	K5DI	579	NM	Karl		5w
0241	K5PSH	559	TX	Jerry	4w	
0243	KC8LTL	559	MI	Ken		5w

0245	KC1FB	589	CT	Jim		5w
0246	WA7SPY	559	CA	Glenn	5w	
0248	AF4LQ	569	KY	Mike		5w
0250	WA7LNW	559	UT	Jack	5w	
0251	AF4PS	559	FL	Mac		4w

0253	K4FB	569	FL	Paul		5w
0254	NV4V	579	KY	Pete		5w
0258	K4TJD	559	GA	Tom	4w	
0259	AA7EQ	559	AZ	Bob		5w
0303	W3PNL	559	PA	Joe		3w

0305	KK5LD	559	TX	Dan		5w
0307	K9IUA	599	ND	Kevin		5w
0309	AJ4AY	559	AL	Jay		5w
0310	KR5C	599	TX	George	5w	
0313	K5DW	559	TX	Don		2w

0314	W9UQB	559	AZ	Mike	5w	
0317	WD5CMA	559	LA	Gloria	900milliwatts	
0321	W2XN	329	FL	Fred		5w
0328	N04D	229	SC	Ken		5w
0332	N10DL	339	NH	Aron		5w

0353	KG4FGC	559	NC	Ken	5w	
0000	K0EVZ	ND Doc Da FOX :-)				
42 total Cub FOX pelts, 22 S/P/C						

Date: Tue, 12 Dec 2000 21:13:46 -0800

From: "blinn" <blinn@dm1.net>
To: <qrp-1@Lehigh.EDU>
Subject: [86200] Test again with HTML coding removed
Message-ID: <009a01c064c3\$79bfff00\$6dade5d8@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Date: Wed, 13 Dec 2000 16:44:10 -0600
From: "Richard McGaver" <mcgaver@execpc.com>
To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86201] Re: Cleaning Aluminum elements
Message-ID: <017401c06556\$6cdeafa0\$e787cfa9@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I recently cleaned up a old Cushcraft A-4 tri-bander. Actually it has been down on the ground for about 5 years, but.... When I put it up I used No-Alox on the joints and then sprayed it with clear enamel. I decided to put it back up and it needed a cleaning so I used steel wool and it looks like NEW. The joints looked just as good as the day I put it up so I am putting it back together with No-Alox and I will coat it again with clear enamel.

Rick NK 9G Cudahy WI (Milwaukee WI)
-----Original Message-----
From: Stuart Rohre <rohre@arlut.utexas.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, December 12, 2000 4:32 PM
Subject: Cleaning Aluminum elements

>Allan,
>A Scotchbrite pad does quite well as a low abrasive cleaner. For the
>sliding parts and electrical contact, you can either use Butternut "Butter
>its Not" grease, or the NoOx and similar conductive greases made and sold
>for aluminum wire to copper electrical connections. A wholesale electrical
>supply house should have the larger sizes, while small tubes are sold at
>Lowe's and Home Depot home centers and some hardware stores. Always use

>NoOx or equivalent on the beam telescoping parts both to ease taking them
>apart and for conductivity. Same for joints on multiband verticals.
>
>GL and 72,
>Stuart k5KVH
>
>

Date: Tue, 12 Dec 2000 22:51:37 -0700
From: "Niels" <nkristja@cadvision.com>
To: "QRP-L" <QRP-l@Lehigh.EDU>
Subject: [86202] Fw: MFJ PROBLEM
Message-ID: <00e801c064c8\$c31146a0\$518794cf@niels>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

Bought a second hand 941D along with my 509 Argo many years ago,
the tuner never seemed to tune right until I took it apart and resoldered
the main board and most importantly drilled out the rivets that held the
connectors at the back and installed them again using proper hardware.
The tuner has worked FB and not had a problem with it since, my
impression of MFJ product is that the desing is good but the QC is not
as good as it should be. Had a look inside a friends MFJ Analyzer and
was turned off by the sloppy soldering and the amount of solder flux
left in there.

72 de Niels
VE6NJK
Calgary, AB
Canada

> I agree, George. I've got four MFJ tuners and all are fine, a good
> value.
>
> However, one has ac inductor switch wired backwards vs. the manual and
> all the others.
>
> I did smoke a 100 watt MFJ tuner abt 20 yrs ago. But it had a toroid
> inductor which overheated with rated power into a very mismatched
> antenna. No problems with the air inductor units.
>

> 73, Phil W7OX
>

Date: Wed, 13 Dec 2000 01:19:38 -0500
From: lenny wintfeldt <w2bvh@home.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86203] Need scope probe model number
Message-ID: <3A3714FA.3B9E15D3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi

I'm looking for the model number for a Tek 100 MHz 10:1 scope probe (with and without readout) for a Tek 7603/2A26 scope. I'd like to use miniature (not micro and not 6-32 screw-on) probes similar to HP 10006 or 10014.

I've been using HP probes, but both have worn out (center conductor in the cable cracked) and I'd like to replace them with Tek probes.

Thanks in advance for any help!

73 and Happy Holidays,

Lenny W2BVH

Date: Wed, 13 Dec 2000 00:42:30 -0600
From: Lee Bahr <w5drc@earthlink.net>
To: leehop@uswest.net, qrp-1@Lehigh.EDU
Subject: [86204] Re: MFJ PROBLEM, as far as I am concerned
Message-ID: <3A371A56.4B01E03B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I bought one of MFj's trunk antenna lip mounts and 2-meter antennas from them 1 1/2 years ago for my new car. Their antenna kept coming out of it's ball socket and put \$150 damage in my new car's paint when ever I accelerated to 60 miles per hour. The rubber grommet in the mount rotted from UV in one month after installation and the antenna broke apart from coming out of it's pull up ball socket after the same month's

worth of use. I replaced the whole thing in 30 day's with Larson equipment. The learning experience cost me, as I remember, around \$100 for the MFJ equipment plus \$150 for my car's paint repair. MFJ eventually agreed to take the equipment back, never agreed to pay for my car painting and expected me to pay for the shipping charges back to the selling dealer. I would not have received my initial shipping charges back from the selling dealer either.

So what did I do? I replaced the equipment with new Larson equipment and threw the MFJ stuff in the trash. Life is too short for crap like this as far as I am concerned. I will never again buy anything made by MFJ. Their antenna stuff was a total rip-off and an insult to me. Just my experience. I am now happy again using another brand of equipment and solved my problem in a way suitable to me! I won the war! I gave them their chance and they blew it as far as I am concerned. There is life after MFJ.

Lee Bahr w0vt

Date: Wed, 13 Dec 2000 01:21:40 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: <pwomble1@tampabay.rr.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86205] Re: FOX- Re: Go get Da FOX N9AW
Message-ID: <005301c064d5\$570daea0\$6584cfa9@Pjerrys>

Hi Paul,
Thanks for the QSO tonight. I was using my Delta Loop which is oriented NE-SW. The ole' buzzsaw really took out a whole layer tonight for me I think. The band sounds very good here before it cranked up. Next time I think 7037 or so is going to be a better option as long as the digital QRM stays with us.

Thanks again.
Jerry N9AW

----- Original Message -----
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 12, 2000 10:29 PM
Subject: FOX- Re: Go get Da FOX N9AW

> Conditions were actually pretty good tonight from the East Coast.
> Almost ZERO noise the first hour. That is a VERY rare thing here.
> Jerry was peaking at 599 plus at times.
>

> What antenna were you using Jerry?
>
> The buzzsaw did fire up during the last 1/2 hour or so.
>
> 73
> Paul K4FB
>

Date: Wed, 13 Dec 2000 01:26:58 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: <Macstein@aol.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86206] Re: FOX APOLOGIES!
Message-ID: <008b01c064d6\$14789680\$6584cfa9@Pjerrys>

No problem Mac. always good to hear you.

72
Jerry N9AW

----- Original Message -----
From: <Macstein@aol.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 12, 2000 9:40 PM
Subject: FOX APOLOGIES!

> Jerry and All,
>
> I scooted down the band and FORGOT to get out of SPLIT mode.... SORRY!!!!
> Darn it...SOC for sure!
>
> Anyway...glad to know I was being heard in WI!!!! Thanks for the EARLIER
> pelt, Jerry.
>
> 72
> -MAC-
> AF4PS
> Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643
>
> QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
> ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
> West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
> and various other annual \$15 commitments.
>

Date: Wed, 13 Dec 2000 01:33:29 -0600
From: "Jerry Scherkenbach" <jerrys@execpc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: "W9XT, Gary Sutcliffe" <ums@nconnect.net>, "W9RN, Noll" <namidzich@wi.rr.com>,
"WA9TZE, Jim Akre" <jsakre@execpc.com>,
"W9XU, Lon" <Lon.Richoz@amersmx.med.ge.com>, "NK9G, Rick"
<mcgaver@execpc.com>, "AE9K, Brian" <ae9k@yahoo.com>, "KF0CT, Chuck"
<chu_r@hotmail.com>
Subject: [86207] FOX: Hunt#15 - N9AW Preliminary Results
Message-ID: <00ac01c064d6\$fde50ec0\$6584cfa9@Pjerrys>

First, thanks to all of the hounds for the nice QSOs which totalled 87 plus my own as the fox. Things started off really great.....moving right along, orderly pileup, good rate after 20 minutes. Then, WAM.....the digital QRM cranked up, the Supreme Court finally made a decision (right in the middle of my hunt), etc. etc. Around 8:45 pm CST it was like someone flipped a switch on the rig. Things went downhill from there. Despite all that, I had a great time and again say thank you to all the hounds that I worked and any that I could not hear or pull through.

I'll let the ole' fox pelt heal up and be back at it on January 19th, hope to see you then.

If you see any errors in the log below please email me direct to jerrys@execpc.com

Also, for those interested, I made some special Foxhunt QSLs with the WB8RCR software. If you would like one (no need to send yours) please drop me an email direct providing your address and I'll get one right out to you.

72
Jerry N9AW

QRP-L FOXHUNT 2000 #15 12/13/2000 UTC
N9AW 559 WI JERRY 5W

0200	KB7WW	559 OR ART 5W
0201	N1LN	599 TX BRUCE 5W
0202	K5LN	599 TX BILL 5W
0202	WA9TZE	599 WI JIM 5W
0203	N5TW	599 TX TOM 5W

0204	WA5OJE	559 TX DANNY 5W
0205	AF4PS	559 FL MAC 4W
0205	N5ET	559 TX BOB 5W
0206	AE9K	559 WI BRIAN 5W
0207	K4FB	559 FL PAUL 5W
0207	KK5LD	559 TX DAN 5W
0208	NW7DX	599 WA BEN 5W
0209	N0DSP	559 CO TOM 5W
0210	K6VNX	559 CA ARLEN 5W
0210	NQ7X	559 AZ FLOYD 5W
0211	N1FN	559 CO ET 5W
0211	K7RE	559 AZ BRIAN 5W
0212	K0MP	559 CO BILL 5W
0212	N4ROA	579 VA DAN 4W
0213	W8PIG	589 FL MAC 5W
0214	K7QO	559 AZ CHUCK 2W
0215	N2WW	559 CO LARRY 5W
0216	K4BYF	559 FL JACK 5W
0217	VA6RF	559 AB EARL 5W
0218	WA7TQK	559 ID BILL 5W
0218	W2XN	559 FL FRED 5W
0219	NK9G	559 WI RICK 5W
0220	AE4Y	559 GA KENT 5W
0221	K5DI	559 NM KARL 5W
0222	N6WG	559 CA BOB 5W
0223	K5PSH	549 TX JERRY 4W
0224	W5HNS	579 TX HENRY 5W
0224	VE6JAZ	559 AB ROB 5W
0225	K7FD	559 OR JOHN 5W
0226	K0EVZ	559 ND DOC 5W
0227	KC1FB	559 CT JIM 5W
0228	VE5RC	229 SK BRUCE 5W
0229	NK6A	559 CA DON 5W
0230	K5OI	559 NM TIM 5W
0231	NK7M	559 AZ BOB 5W
0231	W5YR	559 TX GEO 5W
0232	K5AAR	559 OK DON 5W
0234	WE6W	559 CA ED 5W
0236	KU7Y	559 Ron NV 5W
0236	WE9K	599 WI GLENN 5W
0237	N7GR	599 WA GREG 5W
0238	KQ5U	559 TX TERRY 5W
0244	W5USJ	539 TX CHUCK 3W
0247	AA7EQ	529 AZ BOB 5W
0249	N7XY	559 WA BOB 5W
0254	W9RN	559 WI NOLL 5W
0256	WA7SPY	559 CA GLENN 5W
0257	N1TP	559 FL TOM 5W

0257	K5DW	559 TX DON 5W
0258	W9XU	559 WI LON 5W
0259	KR5C	599 TX GEORGE 5W
0300	K9ORN	599 WI BRIAN 5W
0302	K7TQ	559 ID RANDY 5W
0303	KK7GG	559 OR MIKE 5W
0304	K3GGT	449 WI DAN 5W
0306	W6ABC	559 CA JACK 5W
0307	W9XT	559 WI GARY 5W
0308	W9ODD	559 WI DEAN 5W
0309	AJ4AY	559 AL JAY 5W
0312	K5GQ	559 TX MARK 5W
0314	WA7LNW	559 UT JACK 5W
0316	KI0II	559 CO RON 5W
0317	K5JHP	339 TX BILL 5W
0320	K5EOA	559 LA WAYNE 5W
0321	KK6MC	559 NM JIM 5W
0323	K5VUU	559 TX ED 5W
0324	K10J	559 TX OJ 5W
0324	W5SB	559 TX BILL 5W
0325	K5ZTY	559 TX BILL 5W
0327	N5IB	559 LA JIM 5W
0328	N4SO	599 AL KEN 5W
0329	N5ZE	559 TX LEW 5W
0331	W7AQK	559 AZ DAVE 5W
0334	KE6RS	569 CA RON 5W
0334	N0TU	559 CO STEVE 5W
0336	AC7CF	559 UT ANDY 5W
0340	KD7CTF	559 OR LEE 5W
0346	N5EN	559 TX STEVE 5W
0347	N7CQR	559 OR DAN 5W
0348	AA5UN	559 TX MARTY 5W
0355	WB5BEK	599 TX LARRY 5W
0356	KJ0C	559 MO JIM 5W
0000	N9AW	WI FOX 5W

Date: Wed, 13 Dec 2000 02:59:00 -0500
 From: Bill Lazure <n2tpa@juno.com>
 To: qrp-1@Lehigh.edu
 Subject: [86208] Re: HYgain antenna wind test
 Message-ID: <20001213.030930.-197135.0.N2TPA@juno.com>
 MIME-Version: 1.0
 Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Be thankful you're using smaller antennas! I work at a Broadcast station. On our transmitter site, we have two towers: one at 600 feet, one at about 250 feet. The 600 foot tower's antenna, which extends another 100 feet, was swinging about 30 to 40 feet off center. The ENTIRE 250 foot tower (also with 75 - 100 foot antenna) was swinging as much as 75 feet off center. I could see flexing of it's metal as close as 10 feet off the ground.

Needless to say, I didn't remain on-site for very long. Surprisingly, in the same wind conditions, my minimal 15 and 20 meter aluminum tubing dipoles survived admirably with only some slight downward bending of one of the 20's sides.

73,

Bill
W2EB

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 13 Dec 2000 03:14:53 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [86209] Tesla Program on PBS Dec 12
Message-ID: <Pine.3.89.10012130321.A14448-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Did anyone videotape this program? I made a note to catch it, but missed it anyhow...

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00o-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://www.qsl.net/n4bp>
Brass Pounder BBS: (954) 472-7715

QRP ARCI #3412

FISTS #7871

ARS #799

SOC #1

Whiners #6

Date: Wed, 13 Dec 2000 01:09:54 -0800
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [86210] autotransformer and BB3 screwdriver antenna.
Message-ID: <3A373CE2.6851F28E@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tonight I took the 3/8 Inch, 24 tpi bolt and drilled down with a 15/64's drillbit and can slip a 1/4 inch diameter CB antenna whip into it. I'll probably get that on the antenna tomorrow and mount it along the eaves of the garage and add lots of radials and test it out. Shoot! Still need to build the motor switch and add an antenna box so I can compare with my main dipole.

I also added a 36 pF capacitor across the 50 ohm input of the transformer while loading the transformer with two 75 ohm resistors in parallel. This improved the transformer response by about 3 dB in the 5 to 25 MHz range and about 1.5 to 2 dB from 160 to 10 meters.

Too bad autotransformers like a specified load impedance so much. With the antenna expected to be resonant I guess it is OK in this application.

I did some experimentation tonight with a 50 to 25 ohms autotransformer and added 25 pF capacitor to the input there as well. The transformer and splitter construction articles suggest 7 pF for a VHF transformer, 15 pF for HF to VHF so I guess the 25 pF was expected for a HF only autotransformer.

I will use the 25 ohm output of this transformer to drive a 25 ohm input to a 4:1 transformer feeding two 50 ohm ports of a 3db splitter loaded in 50 ohms each port. With a good set of splitters and background in testing them, I hope I can phase out some QRM with a sense antenna and passive combiner. The older passive QRN eliminator articles are starting to make sense...

GN all.
72/Ed we6w

--
72/Ed WE6W; A-1 Op; SOC#63; QRPL#1068

<http://www.qsl.net/we6w> Santa Rosa, CA
My 2 pennies worth is just common cents.

-----NetZero Free Internet Access and Email-----
<http://www.netzero.net/download/index.html>

Date: Wed, 13 Dec 2000 06:48:06 -0500
From: Peter_Simpson@ne.3com.com
To: qrp-1@lehigh.edu
Subject: [86211] Another (more weighty) cable giveaway
Message-ID: <852569B4.00411A75.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I'm continuing to clean out my garage. I have a wooden spool of like new, "classic" yellow Ethernet coax, Belden 9880 equivalent, approx 250 meters of it. This spool weighs about 100 lbs, so I'm reluctant to ship it. It's 2 feet in diameter and 16" high. The coax is double shielded with a solid center conductor. You can look up the specs on the Belden web site. It is terminated with cheap N connectors, but will take PL-259 or standard N connectors just like RG-8. In general, this is foam dielectric, solid conductor RG-8.

Here's the deal:

I didn't pay anything for this spool and I want to give it to someone who will use it. The first person who:

1. convinces me it won't just sit in his garage.
2. makes arrangements for pick up within 30 miles of Holliston, MA.

can have it.

Extra points are awarded for using it for club stations,

boy scouts, new hams, etc.

72,

Peter, KA1AXY

Date: Wed, 13 Dec 2000 12:01:51 +0100
From: "Chris Wagner" <mm1esg@compuserve.de>
To: <cqdx@teleport.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86212] comparison of the IC 735 / K2 - what makes the IC 735 hot?
Message-ID: <017e01c064fa\$d95e2040\$f27c30d9@chriswag>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

72,

Chris DC/MM1ESG

Date: Wed, 13 Dec 2000 12:26:38 +0100
From: "Chris Wagner" <mm1esg@compuserve.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86213] Has anyone missed the VFO on an ARK and transplanted one?
Message-ID: <017f01c064fa\$dc60b1e0\$f27c30d9@chriswag>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dear All:

the VFO from sseng.com isn't meant to be used in the ARK. Experiences, ideas and advice will be greatly appreciated!

72,

Chris DC/MM1ESG

Date: Wed, 13 Dec 2000 06:06:27 -0600

From: markmilburn <markmilburn@netzero.net>
To: leehop@uswest.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86214] Re: MFJ PROBLEM
Message-ID: <3A376643.E5438604@netzero.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, it was a piddly amount, but I ordered a two meter antenna from MFJ and dropped it while trying to get it up...broke the vertical element. Called MFJ, explained what I had done, and they sent me the new part at no charge. I said, "no, it's not your fault, I just dropped it"...they sent it anyway. For what it's worth, my dealings with MFJ have been excellent. I have a packet TNC, the antenna, and a keyer from them...all worked just fine.
72 Mark, KQ0I

Lee Hopper wrote:

> I wonder if anyone has had opportunity to test the "MFJ No Matter What(TM) 1
> Year Limited Warranty" on any equipment they thought didn't meet specs?
>
> Their website is:
> <http://www.mfjenterprises.com/index.htm>
>
> Lee Hopper, KD7CTF
> Portland, OR

Why pay for something you could get for free?
NetZero provides FREE Internet Access and Email
<http://www.netzero.net/download/index.html>

Date: Wed, 13 Dec 2000 05:44:12 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bob Patten <n4bp@bc.seflin.org>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86215] Re: Tesla Program on PBS Dec 12
Message-ID: <Pine.LNX.4.10.10012130543160.810-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

No I missed it but it will be re-run this spring, summer and twice next winter...:-)

On Wed, 13 Dec 2000, Bob Patten wrote:

> Did anyone videotape this program? I made a note to catch it, but missed
> it anyhow...

>

> 73,

> , ' ' ' ,

> Bob Patten, N4BP (0 0) Plantation, FL

> -----o00o-()-o00-----

>

> E-Mail: n4bp@bc.seflin.org

> Web Page: <http://www.qsl.net/n4bp>

> Brass Pounder BBS: (954) 472-7715

>

> QRP ARCI #3412 FISTS #7871 ARS #799 SOC #1 Whiners #6

>

>

>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 13 Dec 2000 08:25:53 -0500

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <markmilburn@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>

Subject: [86216] Re: MFJ PROBLEM

Message-ID: <006201c06508\$409627a0\$2101a8c0@insydesw.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Please don't get me wrong, I LOVE MFJ products. I think they fill
a need for inexpensive products that work. But some people just
get into trouble not knowing what they are buying. And MFJ is not
perfect.

It doesn't matter sometimes if you're perfect, it's how you react
when you're not. Make a perfect product, and only a few people
notice. Make an occasional defective product, handle the customer
right, and word gets around. Handle the customer wrong, and the
bad mouthing never stops.

Me? I'll buy more MFJ in a second!

As to their 'power ratings', I sorta put that like the people who buy an El Camino or a Ranchero as a 'work truck', and then wonder why it doesn't hold up as well as an F350...

Mike

> Well, it was a piddly amount, but I ordered a two meter antenna from MFJ and
> dropped it while trying to get it up...broke the vertical element.
Called MFJ,
> explained what I had done, and they sent me the new part at no charge.
I said,
> "no, it's not your fault, I just dropped it"...they sent it anyway.
For what
> it's worth, my dealings with MFJ have been excellent. I have a packet TNC, the
> antenna, and a keyer from them...all worked just fine.
> 72 Mark, KQ0I
>
>
> Lee Hopper wrote:
>
> > I wonder if anyone has had opportunity to test the "MFJ No Matter What(TM) 1
> > Year Limited Warranty" on any equipment they thought didn't meet specs?
> >
> > Their website is:
> > <http://www.mfjenterprises.com/index.htm>
> >
> > Lee Hopper, KD7CTF
> > Portland, OR
>

Date: Wed, 13 Dec 2000 06:28:11 -0700
From: Thomas Kuehl <ac7a@gci-net.com>
To: n4bp@bc.seflin.org
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [86217] Re: Tesla Program on PBS Dec 12
Message-ID: <3A37796B.F1DE8721@gci-net.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Bob,

I saw it but didn't record it. People at work know I am a Tesla fan so several
them
reminded me that it was on. One thing I can say about Tesla, he definitely wasn't
into QRP! Truly, his contributions to the modernization of technology are vast,
yet
recognized by so few of the general populous.

If you have read either of Margaret Cheney's books about Tesla, the information
presented in the PBS presentation isn't new. I thought the show was a bit too
dramatized, and they made a big effort to reinforce the Tesla mystique. But I must
admit, for anyone who was unfamiliar with Tesla's work, it was surely enlightening
and entertaining.

It is worth catching next time it is on, but I am not sorry I didn't record it.

Regards, Thomas - AC7A (Tucson)

Bob Patten wrote:

> Did anyone videotape this program? I made a note to catch it, but missed
> it anyhow...

>

> 73,

>

> Bob Patten, N4BP (0 0) Plantation, FL

> -----o00o-()-o00-----

>

> E-Mail: n4bp@bc.seflin.org

> Web Page: <http://www.qsl.net/n4bp>

> Brass Pounder BBS: (954) 472-7715

>

> QRP ARCI #3412 FISTS #7871 ARS #799 SOC #1 Whiners #6

Date: Wed, 13 Dec 2000 09:18:15 -0500

From: "L. Mark Pilant" <n1vqw@arrl.net>

To: qrp-l@Lehigh.EDU

Subject: [86218] RE: Need scope probe model number

Message-ID: <3A378527.BF3B1717@arrl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Lenny, here is a bookmark for information on discontinued Tektronix probes. I've found a number of these in all sorts of places. They regularly show up on eBay, if you are so inclined.

http://www.tek.com/Measurement/Products/catalog/Accessories/probes/replacement_guide/index.html

I hope this helps.

73

- Mark N1VQW

Date: Wed, 13 Dec 2000 9:25:39 CDT
From: dandoooley@pipeline.com
To: w5drc@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [86219] Re: MFJ PROBLEM, as far as I am concerned
Message-ID: <97671753901@linux2.americasnet.com>
Content-Type: text/plain
Content-Disposition: inline
Content-Transfer-Encoding: binary
Mime-Version: 1.0

On Wed, 13 Dec 2000 00:42:30 -0600 Lee Bahr wrote:
> threw the MFJ stuff in the trash. Life is too short for crap like
> this
> as far as I am concerned. I will never again buy anything made by
> MFJ.

I've heard much the same complaints about this product line for a lot of years, and as a result, have not considered buying any of it.

Any of it except for the MFJ 259B antenna analyzer which has been a valuable additon to the equipment here. Yep, there was a problem with the battery holder, but I don't use it on battery power anyhow.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail: dandoooley@pipeline.com
Web site: <http://www.qsl.net/wb9tka>
SOC #198, FPQRP # -104

May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

This message powered by EMUMAIL. -- <http://www.EMUMAIL.com>

Date: Wed, 13 Dec 2000 09:48:20 -0500
From: "Richard Hensel" <rrhensel@sprintmail.com>
To: <merryprankster@CWCOM.NET>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86220] Re: voltage doubling circuits
Message-ID: <012601c06513\$d5274b00\$0317e590@f0155747>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob;
Take a look at the schematic of one of those Ionize air cleaners.
the voltage increase has to take place all in one step, you cannot
use a doubler to double 12v AC to 24v DC and follow that by another
doubler, you no longer have AC voltage to drive the doubler.
To get the voltage you need you have to go to an octupler, all in one
step. The various doubler etc. circuits use the AC wave to charge one
capacitor on one half cycle, and then series that cap on the other half cycle.

The ionizers use the array of caps and diodes to multiply the line current
by many times, as I recall they can run several thousand volts at a couple
microamps.

Richard Hensel

People are more violently opposed to fur than leather because
it's safer to harass rich old ladies than biker gangs.

-----Original Message-----

From: M05aaa01 <merryprankster@CWCOM.NET>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, December 12, 2000 7:44 PM
Subject: voltage doubling circuits

voltage doubling circuits are the bane of my life this week!
I am trying to get 90 volts DC for a 1952 valve/ tube AC /DC radio.
I have a selection of circuits, voltage doubles trippers and the coccroft
ladder (is that what its called) The trouble I am having is that after the
first double it all stops.

--snip --

Date: Wed, 13 Dec 2000 09:43:55 -0500
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <merryprankster@CWCOM.NET>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [86221] RE: voltage doubling circuits
Message-ID: <000801c06513\$1e714e60\$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bob:

Voltage multiplier circuits work by "dumping" the stored charge in capacitors on alternating cycles of the applied ac voltage. In so doing, the output voltage accumulates. The technique works for doublers, triplers, quadruplers, etc. If you study how the caps are charged and discharged in a typical circuit, you'll see how this happens. However, you can't simply "mix-and-match" multiplier circuits; you'll have to take a "systems view" instead and use one unified circuit of your choice. Check the reference handbooks, pick a suitable circuit, and go with it.

GL es 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of M05aaa01
Sent: Tuesday, December 12, 2000 7:41 PM
To: Low Power Amateur Radio Discussion
Subject: voltage doubling circuits

voltage doubling circuits are the bane of my life this week!
I am trying to get 90 volts DC for a 1952 valve/ tube AC /DC radio.
I have a selection of circuits, voltage doubles trippers and the coccroft ladder (is that what its called) The trouble I am having is that after the first double it all stops.
I.E. I can get 24 volts DC from the 12 AC transformer by doubling it but cant double that to 48 Volts DC.
I have built 2 separate doubles they both work but not together.
It seems as I can double an AC voltage into a X2 DC voltage but when the voltage becomes DC it wont double. I am sure that I am missing something here, can any one please point me in the right direction!!! Many thanks from

Bob M5B0B

Date: Wed, 13 Dec 2000 10:04:51 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86222] Re: MFJ PROBLEM, as far as I am concerned
Message-ID: <3A379013.EEA8DD32@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've had several MFJ products (tuners, antenna analyzer, speaker, 2m data radio, etc...) and each worked as advertised.

While I am sure they have product failures...MFJ often gets complaints from people that don't actually own or use their products. I can remember talking to people who had nothing good to say about MFJ...but they heard from a friend who heard from a friend who heard from a friend about how bad their stuff is.

Paul K4FB

Date: Wed, 13 Dec 2000 09:07:36 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86223] Re: Go get Da FOX N9AW
Message-ID: <Pine.LNX.3.95.1001213084559.20649C-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I want to thank Doc for the "history" on Jerry, N9AW....now that I'm "older"... ;-) it made me feel really good that I had worked one of the top ops, even if just for a few seconds....I'm finding I have a much greater interest in "the rest of the story" about individuals...I feel that it helps me fill in the bigger picture and I have a better understanding about all sorts of things...this is yet another of the many reasons why I joined QRP-L and QRP-Canada and will probably be here until

the day I become a Silent Key...this is why I'm really looking forward to going to places like Ft.Tuthill sometime soon so I can just sit down with all these fine folks, share a pint or two and "talk history"....there was a chap Don Smith, VE3IUQ, from southern Ontario, who I would visit when I was in the Brantford area and we'd "talk history"...turns out Don had been with the Conklin Shows which is a travelling circus in Canada and has been doing this for a long, long time....Don was with them in the days before they had trucks...everything was horses and wagons...he drove the first truck that Conklin purchased ...Don told me many interesting stories about those days like how they would put the bigtop up, how they would set up the games....I strongly urged Don to get all of this into a book so others besides myself could enjoy this....but, alas, Don became a Silent Key before he could do this...

we all like to talk with each other on the ham bands....let's go beyond the RST and QTH report...CHEW THE RAG FOLKS!!...this is one way we can make those QSOs REALLY interesting and get to know one another "more better" and further enhance the fun of QRP!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Wed, 13 Dec 2000 10:11:05 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [86224] Re: voltage doubling circuits
Message-ID: <008101c06516\$ed8cfde0\$010044c0@baycty1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "AI2Q Alex" <ai2q@ispchannel.com>
Subject: RE: voltage doubling circuits

> Voltage multiplier circuits work by "dumping" the stored charge in
> capacitors on alternating cycles of the applied ac voltage. In so doing,
the

And even cooler, by simply turning the diodes around, you can generate

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah ORP-L #1446 Code Warriors #35

I purchased a used QRP rig. It was manufactured by KM1H. He informs me that he no longer has any information on it. The only thing written on it is, RADIOKIT QRP TRANSCEIVER. Can you help me find an assembly manual or schematic? Thanks, Tim Sprouse n4cnu n4cnu@home.com
<mailto:n4cnu@home.com>

Date: Wed, 13 Dec 2000 10:27:50 -0500 (EST)
From: igeq100@iupui.edu
To: Lee Hopper <leehop@uswest.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [86226] Re: MFJ PROBLEM
Message-ID: <Pine.GS0.3.96.1001213102414.25392C-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Lee and Gang -

A couple of years ago I bought a 9015 15-meter QRP transceiver with multiple birth defects, all centered on the fact that many of the plated-through holes on the PC board weren't. Although it took a while, I was sent a new unit in response to my complaint, and there was no quibbling about it. So in my experience, the warranty was honored.

On Tue, 12 Dec 2000, Lee Hopper wrote:

>
> I wonder if anyone has had opportunity to test the "MFJ No Matter What(TM) 1
> Year Limited Warranty" on any equipment they thought didn't meet specs?
>
> Their website is:
> <http://www.mfjenterprises.com/index.htm>
>
> Lee Hopper, KD7CTF
> Portland, OR
>
>

Date: Wed, 13 Dec 2000 15:37:33 -0600
From: w0av@juno.com
To: rrrhensel@sprintmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [86227] Re: voltage doubling circuits
Message-ID: <20001213.153951.-608207.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Richard & All,

The ARRL Handbooks have for many years shown a voltage quadrupler circuit, utilizing 4 diodes, 4 capacitors and 1 resistor. Caps are

typically 20 to 50UF, depending upon the output current demand, ratings are calculated by E(peak) equals RMS times 1.4.

My '99 Handbook shows the circuit on page 11.9.

72, 73 74 de George/W0AV
SOC#101

Date: Wed, 13 Dec 2000 08:46:24 -0700
From: "Tom Whalen" <wb5qyt@abq.com>
To: "\"Low Power Radio Amateur Discussion\"" <qrp-l@lehigh.edu>
Subject: [86228] FS
Message-ID: <MABBIKAEJKMHLIDDGMCKIEEGCBAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Selling for a friend..

MFJ 9020 20m xcvr, 5w, built in keyer and cw filter. 90 bux.

Pse contact N5KY@arrl.net

Tnx and 72, Tom WB5QYT..."Have spud will travel!"

Date: Wed, 13 Dec 2000 11:09:38 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Bruce Rattray <rattray@gpfn.sk.ca>, ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [86229] Re: Go get Da FOX N9AW
Message-ID: <200012131110_MC2-BE69-69FE@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
 charset=ISO-8859-1
Content-Disposition: inline

Bruce:

Well I had the pleasure of working a FOX while a guest in Jerry's shack several seasons ago. He let me drop into his new home to operate. He h=

ad
only been living there about a month at the time. Jerry got into his first
FOX hunt that evening, and has been in there ever since.

Incidentally, Jerry won the CQWW in 1989 (I believe this is the year) using
a Ten-Tec 515, which he showed me during the visit. One of Jerry's
interests is collecting old bugs, paddles and keys. He has some super tiny
but functioning miniature straight keys.

Jerry only needs P5 North Korea and BS& Scarborough Reef to complete his
list. He has been at this 22 years and his shack is lined with cards and
various awards. All in all, this guy is a true gentleman in being a FB
operator. It is a pleasure to have visited in his shack.

72,
--Doc/K0EVZ

Date: Wed, 13 Dec 2000 11:44:29 -0500
From: "Richard Clemens" <clemens@wvwc.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86230] Re: Tesla Program on PBS Dec 12
Message-ID: <005901c06523\$f66be220\$dd68010a@wvwc.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Let us remember copyright laws.... and BTW if you know a teacher they might
like to have a donation for the school video collection

<http://www.pbs.org/tesla/>

--
Richard Clemens
clemens@wvwc.edu

Date: Wed, 13 Dec 2000 10:58:58 -0600
From: Bcieslak@ra.rockwell.com
To: qrp-1@Lehigh.EDU
Subject: [86231] Re: Go get Da FOX N9AW
Message-ID: <0FAF40D5B5.95BC4DC4-ON862569B4.0059927F@ra.rockwell.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Jerry is also the President of the QRP Cheeseheads ARC and is grooming a group of contest machine's like himself. Us fellow cheesheads are always gunning for him and hopefully improving our skill in the process. He's one of those coaches who pushes us into the uncomfortable zones of CW speeds and crowded pileups. (50 push ups if you miss a pelt) But you sure come away feelin that you contributed and he's always there with an atta-boy when your done.

I had the pleasure of working with Jerry at the Field Day operations of another Club we belong too for the last 20 years and I tell you it is amazing.

He can dig out calls I can't even hear or pull out an exchange when I can even discern dots and dashes and I have a code proficiency certificate at 30 WPM.

I've often accused him of having Buckmaster interfaced to his radio some how.

Its not all skill though...Jerry always make sure he has the best technology at his fingertips at all times and he knows how to squeeze all the performance out of the features in his rig. Sitting in his operating chair is a bit unnerving and touching the paddles of his keyer is like a kid finding his dad's AK47 still switched on full auto. Before you realize it you've fired off 50 dits...but I've occassionally heard that same keyer cranked down to 5 WPM.

N9AW's shack adorns quite a collection of QSL's from countries I can't even find on a map. If you look a little closer all the callsigns end in 'AW'. Coincidence, I think not. A collection of soon to be built kits sits on the work bench. I wonder if that K1 will hold up under a 1000 Q Field Day Operation next summer.

If you want to see what the Cheesesheads and our fearless leader look like check out the NQ9RP web page at <http://www.qsl.net/nq9rp>

73,
from the frozen tundra...

Brian AE9K

Date: Tue, 12 Dec 2000 22:57:54 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [86232] Re: The new contesters blues
Message-ID: <000401c06525\$78e14b40\$50c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Dan,

I bet you get lots of good input on this.

One of the hardest things to do when first starting to play around in contests is understand just how the heck you can be so far behind everyone else! At times it feels like the whole world is against you!

But don't despair.....we all went through just what you are going through. And some of us, like me, are still going through it!

Getting "fast" in a contest requires many things.

Others have mentioned things like good antennas. They are right. Antennas are where you can get the most bang for your buck. Always be trying to make them bigger and better!

You should never use a tuner on your antenna if you want to do fast band changes. And if you want to work more stations faster, you need to jump from band to band FAST. Tune your antennas so you don't need a tuner.

Of course in the single band 10m contest all you need to do is make sure the antenna will cover the whole band without needing to be tuned.

If you have one of the fancy rigs with the automatic tuners, then you can ignore the above to a degree. But good, tuned antennas for each band are worth the time and effort.

Bill mentioned to learn to really hear the difference in how the different stations sound. This is VERY true. When you hear someone with a watery sounding signal and they are from a state only a few miles away, like CA from AZ, don't waste much time calling them. Chances are that they are running a full KW and you are only hearing them at about S4 or so. They will not hear a peep out of you. Learn to get a feel for your chances of being heard just by how the other station sounds. Understand that a LOT of people will be operating with very high noise levels and will have a hard

time hearing many stations.

Here is one way to work on your S&P skills:

Start as low in the band as your license will allow. If you are not using a logging program, like TR Log for example, tune the radio with the hand you are NOT writing with. Write down the call of the first LOUD station you come to. Start writing it down as soon as you begin to hear it. But keep tuning so that when the call is done you have the call written down and you are zero beat. As soon as he stops sending, send your call. You can finish writing his call down later. If he comes back to someone else move the tuning knob up to the next station and repeat the above. DO NOT take the time to listen to what is being sent. Just call and leave if you didn't get the contact. Do this until there are no more stations calling CQ. Now spin the knob back down to that low spot in the band and repeat the above. You should soon be able to maintain a rate of at least 50 QSOs per hour in a contest with lots of loud stations on like the 10m contest.

You can also tune from the high end down toward the low end if you like. Whatever feels right to you. Many people have strong feelings as to which way to tune. My advice is to do it both ways and use whichever feels right at the time.

Now if you really want to get into high gear, get your rig interfaced to your computer. It really isn't hard. Even if you are using something like a NC40a you can still key the rig with the computer and use it to do the logging and duping. You will never be very competitive with a pencil! (Sure, you might find one someplace that can, but chances are that it's not you! And it's sure not me!)

But with a "fancy" radio that you can connect to the computer, you can tune the main knob by pressing on the shift keys. Just hold down the shift key until you hear the next station. Enter the call in the logging program and hit return to send your call. You will be amazed at how much this will help. You need to develop a lot of new skills to work this way but they pay off.

One of the things you need to do is transmit on the frequency you think you are on! Learn to zero beat a station in one smooth motion. You don't need to be exact in most cases. Very few contest stations use filters narrower than 400 Hz. But you do need to be within that passband. When using the shift keys to tune the rig you need to spend a lot of time learning to stop in the right place!

As you get into the swing of "always moving" when in S&P, you can then spend some time trying to get those new states/countries or other multipliers.

Running stations is easy. Anyone can do that. With short exchanges like

you see in the 10m contest it's easy to have rates of over 100 per hour when running some power. With QRP it's harder. With QRP and GOOD antennas, it's possible but with ho hum antennas it's a real challenge. But you need to try it because you just never know when a good run will happen.

Here's something to think about when operating on 10m and some of the other higher bands to a lesser degree..... you may not hear many of the other stations that are out there. A frequency may sound clear. After checking with a QRL? and calling CQ a few times you will sometimes start getting contacts. As you spend more time there you will often begin to hear stations working someone else on "your" frequency. What is probably happening is that the conditions are changing a bit and you are now hearing what has been there all along.

What should you do??? Well, if you are still running stations at a good rate, keep on running! If you are not getting many takers, move on. I NEVER engage in frequency battles. Not when I am running 100w or when I'm running QRP. I may not give up quite as fast when running 100w but I don't waste a bunch of time. Just QSY and get back to making contacts. That is the only thing you are there for. You are darn sure not there to argue! :-)

One great training tool IMHO is TR Log. You can run it in the Simulate mode and it will do a contest for you. In other words you hit the enter key to call CQ and stations will call you. You have to copy their call into the call window and hit return. Then they will send their exchange to you (which you must copy) and when you hit Enter (Return) your exchange is sent. Then someone else calls you. You control the speed with the UP DOWN ARROW keys. This is a GREAT GREAT training tool for contesting. It will not put you in the S&P mode, just with you calling CQ. But this is worth the price of the program itself to my way of thinking.

Other contest programs may also do this but TR Log is the only one I'm familiar with.

Here is something to keep in mind. In a contest, if you are not working someone, you are wasting time. Try telling yourself that you are going to work at it for 30 minutes. Then sit down and WORK STATIONS for the full 30 minutes. NO rest periods, NO going to the bathroom, NO stopping to answer the phone and etc. Never stop working someone. Do not sit around calling and calling a station. Call once and if you don't get him, move on to the next one. Learn to maximize your time.

You can also learn to put stations into your memories that you don't get on the first call and jump back to them. This works good and with TR Log you can do this from the list of stations in the band map instead of using the rig's memories. But this gets into some of the more advanced skills. First just learn to NOT WASTE TIME. Always be working someone.

When you can do it for 30 minutes try it for a full hour. Get to the point where you can go the full 48 hours and you are into the Big Time! :-)

This, along with things that others have posted, should be enough ideas to keep you busy for awhile!

But just don't get frustrated. Those folks who get those 200-300 per hour rates have been doing it for a long time. They will make 20,000 + QSOs every year. Many go on DXpeditions and will make 10,000 to 20,000 contacts in one trip!

So don't expect to have it happen overnight.

Contesting is so great because it's something that you can ALWAYS get better at. No one is so good that they don't continue to try to get better! Just concentrate on trying to do better in each contest than you did the last time!

I am working on a chapter on contesting in my book, which I really do hope to get done one of these days! :-)

OK, back in my hole....

cul, Ron KU7Y

Full time RVing somewhere in the West!

Date: Wed, 13 Dec 2000 12:14:39 -0500
From: Nils R Young <nilsbull@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [86233] Antenna wind test
Message-ID: <20001213.122215.-328061.2.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Yup. My home-brew 40m vertical (built from the guts of a RadioShack 5/8 CB antoona with the help of the local hardware store & some pipe clamps) survived the windage around here recent. Figured it would. I guyed it with light weight nylon strang & it just wiggles a little in the wind. My 25ft of fence pipe what holds up the "dipole" also survived. The backyard neighbor's tree didn't. Their dog did.

My backdoor screen door got wrapped around the back of the house. Ah, the

blessed who have large boxes of dry wall screws.

73 kph

Nils

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 13 Dec 2000 11:57:59 -0500

From: Nils R Young <nilsbull@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [86234] That ol' antenna tuner problem . . .

Message-ID: <20001213.122215.-328061.0.nilsbull@juno.com>

MIME-Version: 1.0

Content-Type: text/plain

Content-Transfer-Encoding: 7bit

Ganglia,

(I'm baaaaack! At the old email address!) I've been around the antenna tuner thing so many times that it's almost painful to think about it any more. My most recent experience was rebuilding what is/was a low power version of the "Ultimate Transmatch" what's in my 1978 edition of the ARRL Handbook. (I'm gonna ask for a new one [at \$35] for Jul.)

What always gets me about tuners -- and I have seen the innards of the two Drake tuners what went with the TR7/L7 briquettes -- is the simple fact that, once you get past the power meter stuff & the antenna switchin' stuff, there ain't a helluva lot in there. Which makes 'em light weight & wobbly. Unless you're using one of them old Johnson Matchboxes, which weren't not standard match box to me.

The best deal I ever got on a box to put a tuner in was an old Inmac A/B switch box, extruded aluminum & a nice channel inside to hold the main "chassis" upon which I built all the other junk. Which brings me to the inductor/deductor part.

To me it's easier to have a whole gang of toroids in there, chosen for composition-versus-frequency & large enough to take more power than you'd put in there, even if you wanted to or had done it in reform school, than to put in a rotary inductor with all that dead end effect thingie. That's what I basically did when I rebuilt the tuner alluded to above. I have used rotatin' inductors, but I can crank all the goodness out of one of

them in a matter of years . . .

Another thing I've started doing is using flat straps of metal between tie points what needed tied together. For this I'd use copper strap 'cept I got more circuit board material (double-sided & the other sided) which seems to work well enough. That works for QRP, but for the big hootie power stuff, I've always like thick copper strap, usually chomped into strips on a sheet metal shear offa one big chunk of copper sheet. Be very careful about this, however. Sheared metal has an edge on it that puts a paper cut to shame! (Remember the "almost to painful to think about it any more" line above?)

And big globby shiny slobberin' connections is the only way to go. Especially if you ain't bled all over the insides of whatever you're buildin' like I usually do.

Thus far the words of today's holy gibbering.

73

Nils

. . . no I ain't imported my sig to this machine yit . . . so there!

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Date: Wed, 13 Dec 2000 11:24:11 -0600

From: Charles K Brown <n4so@juno.com>

To: qrp-l@lehigh.edu

Subject: [86235] Home Power- battery articles

Message-ID: <20001213.113547.10870.21.n4so@juno.com>

Recently Ron McConnell suggested Home Power magazine. Several articles and ads on solar power and batteries. -- Alternative Power Radio -- also found an alternative power radio that works from 3.0 to 18 Mhz that is self-powered by a Windup Baylis Generator, solar panel or rechargeable battery pack. Here is the info for Home Power.

Home Power

PO Box 520

Ashland, OR 97520

Internet E-mail:

hp@homepower.com

www.homepower.com

530-475-3179

DX on 20 meters
JW0HS Ivan on Svalbard
2343Z 14.015 Elecraft K1 at 5 watts and 4 ele.
beam

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 13 Dec 2000 09:52:33 -0800
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [86236] Re: FS: Ten-Tec 1253 Regen Receiver (SOLD)
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B76892@hq-expo2.filenet.com>

The receiver has been sold..

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Wed, 13 Dec 2000 18:04:03
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: merryprankster@CWCOM.NET
Subject: [86237] voltage doubling circuits
Message-ID: <F81JCKWaqJoBV0qeOLn000142e1@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Bob,

First off, you should be getting a lot more than 24 V DC out of your first doubling of that 12 V AC transformer (nearly $2 \times 1.4 \times 12$ V DC, actually). If you are not then maybe one of your components is not working as expected. Secondly, I think that it is advisable to use the highest voltage transformer that you can get and rely less on the voltage multiplication unless your loads are light.

There is a basic page on how such circuits work at:

<http://www.tpub.com/neets/book7/27m.htm>

Regards,

Brad

Subject: voltage doubling circuits
From: M05aaa01 (merryprankster@CWCOM.NET)
Date: Tue Dec 12 2000 - 19:41:16 EST

voltage doubling circuits are the bane of my life this week!
I am trying to get 90 volts DC for a 1952 valve/ tube AC /DC radio.
I have a selection of circuits, voltage doubles trippers and the coccroft ladder (is that what its called) The trouble I am having is that after the first double it all stops.
I.E. I can get 24 volts DC from the 12 AC transformer by doubling it but cant double that to 48 Volts DC.
I have built 2 separate doubles they both work but not together.
It seems as I can double an AC voltage into a X2 DC voltage but when the voltage becomes DC it wont double. I am sure that I am missing something here, can any one please point me in the right direction!!! Many thanks from
Bob M5B0B

Get more from the Web. FREE MSN Explorer download : <http://explorer.msn.com>

Date: Wed, 13 Dec 2000 18:42:20 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: qrp-1@lehigh.edu
Subject: [86238] [TRADE] Epiphyte 3 Unbuilt
Message-ID: <5.0.2.1.0.20001213183150.00a0bd30@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

At Pacificon I picked up my kit from Jim Cates and it is still unopened and in the bag with instructions. As I have had no luck with my Warbler on 80 meters as I'm in the middle of a vast wasteland on 80 meters I am interested in trading this kit for another unbuilt CW rig. Besides I can't do over 50wpm on a microphone anyway. :-)
And I don't own one except on the Uniden 10 meter rig and it hasn't been used in years.

So, let me know what you have unopened and still in the bag and we might can make a trade. The Epiphyte costs 100 George Washington Certificates (USofA Currency), so we are talking \$100 here.

I'll take email for 24 hours and pick the deal that I am interested in. It'll be based on the rig and band available and not the deal that is best to my advantage. I'm in the middle of the 10 meter building contest, so I'm not in a hurry here.

I know that there were some people looking for the E3. I'm not interested in money
on this deal but getting something to build that may not be available at this time any other way.

I'm interested in a 17" or larger PYREX mirror for a telescope if you have a blank that you won't be using.... :-)

dit dit es tn timer

Chuck Adams, K7QO CP-60
Prescott, AZ k7qo@primenet.com

Date: Wed, 13 Dec 2000 13:59:03 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <mcgaver@execpc.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86239] Re: Cleaning Aluminum elements
Message-ID: <1001113135903.NAA24118@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/13/00 5:44 PM, Richard McGaver at mcgaver@execpc.com wrote:

>I recently cleaned up a old Cushcraft A-4 tri-bander. Actually it has been
>down on the ground for about 5 years, but.... When I put it up I used
>No-Alox on the joints and then sprayed it with clear enamel. I decided to
>put it back up and it needed a cleaning so I used steel wool and it looks
>like NEW. The joints looked just as good as the day I put it up so I am
>putting it back together with No-Alox and I will coat it again with clear
>enamel.

Whatever you use to clean aluminum, do NOT use steel wool or steel
brushes.

The reason is that microscopic bits of steel break off and become
embedded in the aluminum. These tiny deposits set up a galvanic reaction
and cause corrosion of the aluminum.

Use Scotchbrite (plastic), or very fine sandpaper for extreme cases. No
steel.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 13 Dec 2000 14:26:14 US/Eastern
From: n2cx@voicenet.com
To: njqrp@njqrp.org
Cc: qrp-1@lehigh.edu
Subject: [86240] EA2SN visits the Garden State
Message-ID: <200012131926.0AA468266@nss4.cc.lehigh.edu>

Group,

A well know European QRP'er and denizen of the qrp e-mail reflector is visiting
Philadelphia this week for a, well --- solid waste conference. He contacted some
locals and expressed a desire to meet with us for dinner so a couple of us
NJQRP'ers
met with him last night. Jon Iza, Ea2SN joined John Cawthorne WB3ESS and me
N2CX for an eyeball QSO session at one of the NJQRP meeting venues, the food
court at a shopping mall.

Jon Iza, EA2SN is one of the quiet ones on the e-mail list but when he contributes
it is always worth while. He is an avid homebrewer and technical resource in

Spain to not only the QRP community but to all of hamdom. Jon estimates that he has at least 50 rigs, many of them QRP kits that he has carefully assembled and written reviews for his national counterpart to QST. Not only that, he has translated a number of QRP instruction manuals into Spanish (and he could do it into Basque if need be!) to provide the necessary technical information for Spanish-speaking hams. And that doesn't mean only hams in Spain - he translated the NC-20 manual to support the worldwide distribution program that NORCAL and GQRP are undertaking.

It was a distinct pleasure to find Jon's views on QRP operation from a vastly different perspective than we stateside folks have. While many of us on this side of the pond live in individual homes with at least some back yard space for antennas, many Spaniards live in semi high-rise apartment buildings with much less opportunity to put up extensive HF antennas. Jon reports good results with a roof-mounted Butternut vertical antenna. His ground system is about 10 radials which should be fine but the best part is that it's 8 stories up! Being up that high adds greatly to its effectiveness. And chasing DXCC is a much easier proposition when so many countries are within one ionospheric hop.

That is counterbalanced though by the increased challenge of becoming licensed "over there." One has not only to pass the necessary tests, but also list the equipment to be used on the license form. One workaround, though is that kits can be "evaluated" for a three-month period after being built. Presumably then if you modify the kit (by changing a couple of components) you can extend the evaluation period longer. I suspect that many such kits undergo constant changes...

Jon has numerous contacts with the QRP community here in the States as well as closer to his home. His business and personal travel have taken him to some of the well-know German and English hamfests as well as a visiting the our California bretheren. Last year he even attended another conference in PA then drove up to Connecticut to see NN1G and drop in on ARRL HQ.

It was a very enjoyable evening made even better by his gift of a very pretty mini-key the "LLaves Telegraficas Artesanas" (Craftsman's Morse Keys) model GMP. This is a neat hand-crafted brass key beautifully build on a wooden base and sized perfectly for QRP use. It's so nice I'm torn between keeping it on display and actually *using * it! He also brought a box of sinfully delicious candies for us. Those Chocolate Truffles are fantastic. Now I've gotta come up with a suitable QRP project to put in the unique metal tin.

One final note. Jon is quite familiar with the recent PSK-31 movement. The University where he teaches is the location where the main PSK-31 web site resides. Not only that, but he is taking back four PSK-80 Warblers for his

local friends to put on the air.

It was a real pleasure to spend the evening with Jon and I thank him for meeting with us. And for sure if he ever comes to Philly again we have to do it all over once more!

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Wed, 13 Dec 2000 14:43:03 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@LEHIGH.EDU
Cc: njqrp@njqrp.org
Subject: [86241] Warbler shipping update
Message-ID: <200012131943.0AA215784@nss4.cc.lehigh.edu>

Gang,

The anxiously-awaited 2nd run of Warblers is being mailed daily. They are going out in approximately the order posted on the NJQRP web page (see below).

Our ambitious sub-kitters have now gotten all those little plastic bags stuffed with parts. We spread the work this time by breaking the kitting task into individual subkits (resistor, capacitors, semiconductors, etc.) which are then subsequently packaged into an overall kit bag. It's up to me to do the final bagging and packing then turn them over to USPS.

However since there are over 200 kits going out I cannot provide individual responses about (did mine ship yet?" I fear if I took the time to do that I'd have no time to pack and ship them all in time. Rest assured that they will all be in the mail this week.

You can see the list at the Warbler site: <http://www.njqrp.org/warbler/>

orders.html

.. or by sending an email to EMBOT@NJQRP.ORG with SEND ORDERS in the body of the message.

Thanks for your patience and now back to stuffing envelopes and affixing stamps - fortunately with the modern self-adhesive stamps I don't have to lick and stick any more!

72/73,

Joe E.,
N2CX

This message was sent using Voicenet WebMail.
<http://www.voicenet.com/webmail/>

Date: Wed, 13 Dec 2000 12:35:43 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [86242] Voltage Doubling circuits
Message-ID: <20001213.140242.10870.24.n4so@juno.com>

For 90 volts DC a power supply kit from Antique Electronic Supply will supply 90 volts DC and all the other voltages for early battery radios. Part number K-101A on page 33. \$53 It does not come with a case. The theory is in the ARRL Handbook, Power Supplies and Projects, Chapter 11 as noted before on Quadraplers page 11-9.
Antique Electronic Supply
6221 South Maple Ave.
Tempe, AZ 85283
Internet E-mail: info@tubeandmore.com

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecrafft K1 #260

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<http://dl.www.juno.com/get/tagj>.

Date: Wed, 13 Dec 2000 13:29:02 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [86243] Canadian Radar
Message-ID: <Pine.LNX.4.10.10012131324070.1287-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I received a letter today asking for information on the digital interference we have been getting on or near 7040 KHz during Fox Hunt times. I asked for permission to forward his message to me to this list. If I get permission I will do it.

If anyone has been keeping data in the past on when and what frequency and how long the digital signal lasted I would like to get it. I plan to gather data from this point forward and ask you all to do the same. I think it's possible we can lick this problem.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 12 Dec 2000 19:31:51 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [86244] FOX NG9W
Message-ID: <Pine.LNX.4.10.10012121930020.2134-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Fox is on 7041 taking guys up to 3 KHz higher. I got him with my vertical but he was not real strong in southern NM. He is sending at 35 wpm so listen up.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 13 Dec 2000 15:12:10 -0600
From: Ken Hopper <khopper@uchicago.edu>
To: elecrafft@qth.net, QRP-L <qrp-l@Lehigh.EDU>
Subject: [86245] KG7RS review of EB63 AMP for K2
Message-ID: <3A37E62A.AD14B10F@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

F.Y.I.

KG7RS has put a review of the 140W EB63 AMP on eHAM

<http://www.eham.net/reviews/detail/1223>

Happy Holidays to all,
de Ken N9VV <n9vv@arrl.net>
<http://home.uchicago.edu/~khopper/hamradio.html>

Date: Wed, 13 Dec 2000 17:00:12 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [86246] FS FT310SD
Message-ID: <200012132134.QAA07481@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

FS Classic 1970's FT301SD QRP rig

\$175.00 + shipping
160-10M, all bands set to about 10 watts max out.
Front panel power control, 0-10 watts.
CW filter, AM option installed.
Digital display, all digit segments work.
Repainted cabinet and cleaned front panel.
Fixed front panel indicator lights and peaked up.
Hand mike
Manual and schematic

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 13 Dec 2000 17:07:12 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: Wayne Letang <wletang@tbaytel.net>, Bruce Rattray <rattray@gpfn.sk.ca>, Dave
Kimpton <dkimpton@tbaytel.net>, Larry <n5zzq@netdoor.com>,
Rob VE3FLB <ve3flb@rac.ca>, NA6E <na6e@qsl.net>, VE3AXL
<kcrystal@tbaytel.net>, Bill <va3ay@tbaytel.net>, "Robert C. Mazur"
<rmazur@tbaytel.net>,
Subject: [86247] Fox Hunt #16
Message-ID: <3A37F310.AA8C96DA@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I will be on or around 7.140 tonight at 0200 z(DEC 14 z). Dave N0IT will
be on or around 7.117, so this should give each of us enough room from
QRM, will use the DSP tonight...Good luck to all, and see you all in a
few hours...

Fred
VE3FAL

Date: Wed, 13 Dec 2000 17:48:44 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: Karl Larsen <k5di@zianet.com>, John Wagner <john@neknetwork.com>, "W.D.
(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [86248] Cub FOX Duel (Dual?!) Tonight
Message-ID: <200012131748_MC2-BE7E-4552@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Tonight you have the opportunity of hunting two--count 'em, TWO--Cub FOXes
in the same evening. The two FOXes are VE3FAL and N0IT. They will be in=
different parts of 40 Metres, between 7.100 and 7.150. They will be doin=

g
their best to stay out of each other's way, but mainly to work YOU. =

Let's all go out tonight at 2100 Eastern Time (that's 0200Z on 14 Decembe=
r
2000). Should be lots of fun and a good workout for everyone.

72,
--Doc/K0EVZ

Date: Wed, 13 Dec 2000 15:06:18 -0800
From: "blinn" <blinn@dm1.net>
To: <qrp-1@Lehigh.EDU>
Subject: [86249] Chirp... help
Message-ID: <003001c06559\$4ed74780\$72b8e5d8@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got the note pasted below from Will, W7BMO. He is just getting interested in CW again after many years and is building a tube transmitter. Does anyone have suggestions to help Will tame the chirp on his home-brew xmtr?

Thanks, Bill - WA7TQK

"Bill I have my powerful 7 watter ready to go except for one problem, I have a chirp in the c.w. tone. It's a 616 osc.drawing about 40 m.a., the power supply is a husky t.v. transformer cap. input filter [2] 20mfd with a filter choke between. Output volts 340 volts key up,290 volts key down. Bleeder resistor is 80k ohms.50 voltage drop seems a little much to me, but the transformer is big enough I think. I found a 150 volt v.r.reg. tube and regulated the screen voltage and that helped, but there is still some chirp.Grid 1 voltage is right on the money, I've been thinking about trying a100 ohm resistor in series in the cathode keying circuit. The rig is rock bound on 7.172.8. I haven't got the vx0 to work yet either. I hate to put it on the air with a chirp. Any ideas?

Date: Wed, 13 Dec 2000 18:13:54 -0500
From: Bill Coleman <aa41r@arrl.net>
To: <bkassel@dancris.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [86250] RE: [86098] The new contesters blues

Message-ID: <1001113181354.SAA15464@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 12/12/00 10:15 PM, Brian Kassel at bkassel@dancris.com wrote:

>5.) Don't waste time on pileups early in the contest. You may easily be
>able to work that rare one later, with ease.

If you hear a good mult with a big pileup, this may be your best bet. Try
to come back when the pileup is smaller.

>6.) Think about propagation. Don't obsess over it though. Use the
>highest open band as much as possible.

Sometimes, especially now, the highest band open may be too crowded to be
effective.

For example, I have found that for Sweepstakes Phone, starting the
contest out on 10m is counterproductive, even if the band is open. Now,
if I were running a full gallon and good antennas, instead of low power
and badly compromised antennas, it might be different.

With QRP, this is a factor you must consider. If the band is really
crowded, you aren't going to get through. This year, I found my best band
was 20m right at the opening of SS Phone. Sometimes, going where it isn't
so crowded is a good idea -- you are more likely to be heard.

>7.) I must advise to not start out running milliwatts, you may become
>discouraged. Use 5W until you reach a comfortable level of a QS0 rate,
>and then start running the power down. There is a big difference between
>even 2 and 5 watts, exactly the same as 200 and 500 watts.

He might even consider running with 100 watts or so to build up his
skills. (Or is that suggestion sacrelidge on the QRP list?) The skills
are similar for 100 watts or 5 watts, it's just that a 5 watt station has
a much harder time running.

>8.) Use a good radio. It MUST have good QSK, good filters etc. Now,
>you may hear the stations on a lower performance rig, but your endurance
>and energy level will remain much higher longer with a good radio. For
>me, this radio is the K-2. Get comfortable, no distractions. Use
>comfortable phones, with padding. Have a good low intensity light. If
>you are copying much on paper, try to break the habit. I can go for a
>24 hour stint, and still only use maybe 1 piece of paper.

I don't think QSK is a requirement. Many contest ops have QSK-capable
rigs that they run in semi-QSK mode. But at least a 500 Hz filter is

important for picking out CW in a contest. (Although Fred Luan, K3ZO, is known to copy CW without a filter -- but he has a huge amount of experience)

Best suggestion for high-speed CW: throw away your pencil.

>10.) Have a basic plan before you start, try to make your hours count.
>Leran any new devices or software BEFORE the contest. If the bands die
>early, go to bed early, conform to the contest dynamics.

W4AN once made a suggestion that helps: Don't worry about what happened in the earlier hours of the contest. Focus on what you can do right now to improve your score. If what you are doing isn't working, try something else.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 13 Dec 2000 15:17:57 -0800 (PST)
From: Bill Urie <burie@linknet.kitsap.lib.wa.us>
To: qrp-l@lehigh.edu
Subject: [86251] qrp rig
Message-ID: <Pine.S04.4.05.10012131514040.6637-100000@linknet.kitsap.lib.wa.us>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi I have a MFJ 9020 20 meter qrp cw transceiver with the optional audio filter installed. No drift and plenty of volume.
want \$100 + Ship. Bill W7XV

Date: Wed, 13 Dec 2000 16:53:42 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: blinn <blinn@dmr.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [86252] Re: Chirp... help
Message-ID: <Pine.SUN.4.10.10012131646490.14395-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Generally, the two major causes of chirp are:

- 1) The power supply being loaded down on keydown (such that the power supply is at one voltage on receive and a lower voltage on xmit)
- 2) The oscillator is loaded down on keydown ... again, the load on the oscillator is one value during receive and another during transmit, with the changing load "skewing" the frequency.

This true for both vacuum tube and solid state circuits.

It's been years since I've built hollow-state tube circuits, but the 50+V drop he is experiencing on his B+ line on keydown seems a bit high. Some more rigourous voltage regulation seems neccessary.

There also may be too much of a load placed on the oscillator tube on keydown, pulling down the frequency on transmit. Lowering the output impedance of the tube (through a transformer in the plate circuit) or adding a voltage follower (tube version of the emitter follower) are common fixes for oscillator drag.

If the chirp is ever-so-slight, then it's called "character" -hi.

72, Paul NA5N

End of QRP-L Digest 2035
